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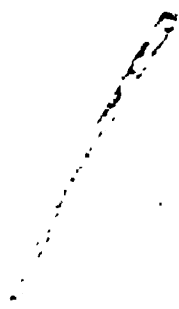
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A. L. A.

List of Subject Headings



\*H G  
American  
COPY 2





LIST OF  
SUBJECT HEADINGS

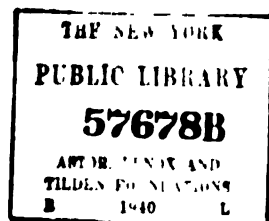
FOR USE IN  
DICTIONARY CATALOGS

PREPARED BY A COMMITTEE  
OF THE  
AMERICAN LIBRARY ASSOCIATION

THIRD EDITION  
REVISED BY  
MARY JOSEPHINE BRIGGS

AMERICAN LIBRARY ASSOCIATION  
PUBLISHING BOARD  
CHICAGO

1911  
A. L.



## PREFACE

THE history of a list of subject headings for the use of catalogers dates back to the Lakewood conference of the American Library Association, in 1892, when a committee consisting of Mr. Gardner M. Jones, Dr. G. E. Wire and Mr. C. A. Cutter was appointed for the purpose of collating catalogs and compiling from this information a list of subject headings which should represent the most approved usages. At the Chicago conference of the following year the committee reported progress, and the Publishing Section of the American Library Association was instructed to proceed with publication as soon as possible. At the Lake Placid conference, in 1894, the committee reported completion of the work, which was printed the next year. Three years later a second and somewhat revised and enlarged edition was issued and stereotyped, and this edition has been steadily in use by catalogers for the past thirteen years.

The growth and development of libraries, their increased use by the public and the many commercial, scientific and economic changes which have taken place of late, have long since made a new and thorough revision of this List of subject headings advisable. A steady demand for the second edition showed that the book was in very general use in libraries throughout the country. In 1906 the Publishing Board appointed, to take up the matter of a new edition, an advisory committee consisting of Mr. Gardner M. Jones, Miss Harriet B. Prescott, Mr. A. G. S. Josephson, Miss Margaret Mann, Miss Linda M. Clatworthy, Mr. J. C. M. Hanson and Miss Electra C. Doren. Later Miss Alice B. Kroegeer and Miss Nina E. Browne were added to the committee. Miss Doren was unable to serve.

Miss Esther Crawford, a cataloger and library worker of much experience, was employed as editor for the new edition, and the work of collecting data and collating and comparing catalogs and catalogers' forms was begun late in 1906. After laboring with great diligence for more than two years and securing a large amount of material, Miss Crawford resigned in July, 1909, and the Board was fortunate in securing the services, in May, 1910, of Miss Mary J. Briggs, cataloger of the Buffalo public library, to carry the work to completion. Besides a trained knowledge of precisely what this bibliographical tool should be, Miss Briggs has brought to bear a most conscientious and painstaking care that only those can fully appreciate who have undertaken a similar task.

This third edition, as it now appears, is the result of co-operation and united effort on the part of many library workers, and it is the hope and belief of the Board that the present work has been so well done that no revision need be undertaken for a number of years to come. For a statement of the special features embodied, and explanation of certain policies followed reference may be made to the editor's introduction.

In the case of such liberal, hearty and wide-spread assistance as the Board and its editors have here received it is difficult to mention personally all those to whom credit is due. Gratitude is sincerely felt toward all who responded to the call of the editor in sending requested information, or who devoted no small time and effort to the work during the personal visits of the editor in charge. The Board feels, however, that particular mention must be made of the courtesy and helpfulness extended by the Library of Congress during an extended study of the catalog by Miss Crawford, by the Newark free public library, which so generously provided working quarters for her for over a year, and by the Buffalo public library, which has similarly furnished accommodations for the past year for Miss Briggs. It trusts that all who have so generously aided in this enterprise may feel abundantly paid by the good service to the library profession which this book now goes forth to render.

## INTRODUCTION

**I**T has been found necessary to omit much that was comprised in the original plan for the third edition of the List of subject headings, in order that the size of the book might be kept within reasonable limits. The scope has been broadened by the inclusion of some of the more important historical events, including wars but not battles, the chief languages, literatures and ethnic races, and subheads for many of the larger subjects.

Technical and scientific terms, chemical and medicinal substances, animals and plants, virtues and vices, diseases, games, foods and other specific headings are included somewhat more liberally than in the second edition, the aim being to provide a checklist in these subjects for the smaller public libraries.

The following classes of headings are omitted:

1. Personal names.
2. Geographical names, except for a few regional headings and countries requiring historical subdivisions.
3. Names of months, days, processes in arithmetic, parts of speech.

In general, and particularly in the matter of subdivisions, the needs of the moderately large public library, of from 100,000 to 200,000 volumes, have been considered. No attempt has been made to meet the needs of college, technical or special libraries, which must of necessity make finer distinctions and closer subdivisions than would be useful in a popular library.

The catalogs most consulted in the revision are those of the Library of Congress, the John Crerar library, Columbia university library, Nebraska university library, Northwestern university library, and the public libraries of Brooklyn, Buffalo, Chicago, Cleveland, Dayton and Pittsburgh. Among indexes, the Readers' guide to periodical literature and Engineering index may be specially mentioned.

The headings of the second edition have been retained, except for such changes as have seemed desirable in order to conform to present use of terms. The more radical changes have been made in response to what seemed to be a very general demand, expressed by a decided majority of

the answers to questions published in the library periodicals and in personal interviews.

For the sake of uniformity, in choice of new terms the Library of Congress headings have been followed so far as they have seemed adapted to the use of popular libraries, omitting of course many subdivisions and technical terms which would be useful only in special or very large libraries.

In spelling, the simplified forms of the second edition have been retained, and a few others added, but it has not been thought best to advance in this line faster than generally accepted usage will warrant. The plural form is used rather than the singular, except where subjects are generally thought of under the singular. The singular form is used for fruits, in order that the same heading may cover both fruit and tree. The arrangement of compound words has occasioned so much perplexity to both makers and users of catalogs, that the hyphen has been eliminated as far as possible, following the latest available authority, Webster's new international dictionary.

Little has been attempted in the way of definition of headings beyond an occasional explanatory word or phrase. Space could not well be spared for many definitions, and it has been found difficult to frame them so as not to limit the subjects too closely. Therefore, except in a few cases where the meaning is very ambiguous, it has been left for the references to suggest the scope of the heading when not entirely self-explanatory.

As a concession to the very general tendency to look under the form rather than under the language for English dictionaries, grammars, etc., the English language has been made an exception to the regular treatment of languages, and several forms, e.g. dictionaries, grammar and spelling, entered directly under the form. The subheads for other languages are given under German language, and the same can be used for English in libraries where it is preferred that all material regarding that language be kept together.

All form names in American and English literature are included in the list, but of other literatures only those most likely to occur in popular libraries of moderate size. Literature, drama, essays, fiction and poetry are entered under the adjective; other forms under the form followed by the adjective name of nationality, except periodicals and newspapers where name of country is used: e.g. English literature; Humor, English; Periodicals — England. Reference should be made in every case from the country to the language and literature of that country. These references are indicated in the list for American literature and English language and literature only.

The subdivisions formerly printed in the appendices, except those for

cities which follow the introduction, are now included in the main alphabet. Country subheads are given under United States, in order that the many references may be indicated. The Library of Congress Preliminary list of subject subdivisions under countries and cities has been used as a basis, with modifications to adapt it to the needs of popular libraries.

Many subjects formerly subheaded under country are now referred to the subject with country subdivision. It is better as a rule to keep all matter relating to a city together, making double entry under city and subject when needed: e.g. Boston — Education; Education — Massachusetts; or, in a small library, Boston; Education; without subdivision.

The number of subdivisions to be used will, of course, vary with the size and character of the library. The small library will ignore the subheads for the most part, using them only for the largest countries, and for subjects upon which it may chance to possess considerable material. It will be easy to add subheads at any time, should material increase so as to require them. It is advised that a list of subheads used be placed at the beginning of each divided subject, and each subhead should have its own guide.

Since form subheads may be used with any subject having sufficient literature, no attempt has been made to indicate headings requiring such subdivision. At the end of the introduction will be found a list of forms applicable to any such subject. Under United States are given references to most subjects which will require country subdivision in public libraries, and under some of the more important subjects, examples of country subdivision are given, e.g. Education — U. S.

Experience has shown that the average reader generally disregards both logic and punctuation in consulting an alphabetically arranged card catalog. For this reason, all subdivisions, whether form, geographical or logical, and all inversions are arranged in one alphabet, regardless of punctuation, except only the period subdivisions of history, which are arranged chronologically. Since in this work the main entry word is not repeated, the punctuation for subjects subdivided is not indicated in the main alphabet. The dash is advised for all subdivisions, and, if preferred, may be used instead of the comma for inversions, e.g. Bacteriology — Agricultural.

To avoid confusion in checking, the *refer from* references have been printed in parallel columns at the right of the page. The references have been revised, many new ones added, and some, believed to be unnecessary, have been dropped. *See* references among the *refer froms* are indicated by (s). The possibilities of useful references are by no means exhausted in this list. Further references will suggest themselves in cataloging.

The best material on a specific subject is often found in a work upon a larger subject, so general in its nature that it is not advisable to analyze it.



References are therefore made from the specific to the general in cases where most general works can be expected to contain material on the specific subject. Care should be taken not to make a reference of this kind unless justified by the works actually in the library. If the books on arts and crafts contain nothing on mosaics, a reference from Mosaics to Arts and crafts would be useless and misleading. The same principle applies to other references, which should not be made in any case unless the book cataloged is of interest in connection with the subject from which reference is made. If the books entered under Cemeteries are descriptive only, no reference from Eminent domain to Cemeteries is required.

It will of course be understood that where the reference is simply "*see*" no subject entries are to be made under the heading referred from. Only those headings printed in bold-faced type are intended to be used for subject entries.

In many cases references are indicated to or from geographical headings, or subjects with geographical subdivision, which do not appear in the main alphabet. These are only suggestive of the possibilities for this kind of reference. References should be made from periods of history, arts, sciences and other subjects to names of people whose lives are of interest in connection with the subject.

Long lists of references to specific subjects may be avoided in some cases by general references, as for instance under Industrial arts and under Manufactures "*See also* names of industries"; but if there are few specific entries it is better to enumerate them, that the reader may see at a glance where further material may be found. Another method of shortening the list of references is to refer from the most general to the next less inclusive heading, and from the latter to the next lower: e.g. Zoology *see also* Vertebrates; Vertebrates *see also* Mammals; Mammals *see also* Carnivora; and so on to the specific animal. As zoological families and genera are not included in this list, references have been made from orders to specific animals.

The references in a card catalog are more easily read if arranged in columns rather than in a solid paragraph, with two or three columns on a card according to the length of the headings.

The cataloger is advised to check headings and references as used and to add new headings required. If he wishes to use a different form of heading, it will be necessary to make the change wherever the heading occurs in the list, otherwise discrepancies will creep into the catalog.

The aim has been to choose such headings as shall make the catalog a useful tool in enabling the reader to find as quickly as possible the book he desires. To attain this end, consistency has sometimes been sacrificed to utility.

MARY JOSEPHINE BRIGGS.

## SUBHEADS TO BE USED UNDER CITIES

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Amusements	Elections	Musical organizations
Annexations	Epidemics	Name
Antiquities	Exhibitions	Parks
Architecture	Fairs	Paving <i>see</i> Streets
Arsenals	Ferries	Police
Art	Festivals, etc.	Politics <i>see</i> Government and politics
Asylums <i>see</i> Hospitals and asylums	Finance	Poor
Atlases <i>see</i> Description— Maps	Financial institutions <i>see</i> Banks; Business associations	Population
Banks	Fine arts <i>see</i> Art	Post-office
Benevolent institutions <i>see</i> Charities; Hospitals and asylums	Fires and fire prevention	Prisons and reformatories
Bibliography	Foreign population	Public buildings
Biography	Fortifications	Public lands
Boundaries	Galleries and museums	Public meetings <i>see</i> Conventions and public meetings
Bridges	Genealogy	Public schools <i>see</i> Education
Business	Geology	Public works
Business associations	Gilds	Railroads
Carnivals <i>see</i> Festivals, etc.	Government and politics	Reformatories <i>see</i> Prisons and reformatories
Cemeteries	Guidebooks <i>see</i> Description — Guidebooks	Registers
Census	Harbor	Religious history
Centennial celebrations, etc.	Historic houses, etc.	Religious institutions and affairs
Charities	History	Riots
Churches	Hospitals and asylums	Sanitary affairs
City hall	Hotels, taverns, etc.	Schools <i>see</i> Education
Claims	Industries	Scientific institutions <i>see</i> Learned institutions and societies
Climate	Intellectual life	Sewerage
Clubs	Labor and laboring classes	Social conditions
Commerce <i>see</i> Business	Learned institutions and societies	Social life and customs
Commercial institutions <i>see</i> Business associations	Libraries	Statistics
Conventions and public meetings	Lighting	Street railroads
Courts	Literary institutions <i>see</i> Learned institutions and societies	Streets
Crime and criminals	Literature	Suburbs
Customhouse	Manners and customs <i>see</i> Social life and customs	Taxation
Description	Manufactures <i>see</i> Industries	Theaters
Guidebooks	Maps <i>see</i> Description — Maps	Topography <i>see</i> Description
Maps	Markets	Views <i>see</i> Description — Views
Views	Monuments	Vital statistics <i>see</i> Statistics
Directories	Moral conditions	Voters
Ecclesiastical institutions <i>see</i> Churches; Religious institutions and affairs	Morgues	Voting precincts
Education	Museums <i>see</i> Galleries and museums	Wards
	Music	Water supply
		Wharves

### FORM SUBHEADS

Bibliography	Essays, addresses, etc.	Periodicals and society publications
Biography	Fiction [about]	Poetry [about]
Collected works	Handbooks	Statistics
Collections	History	Study and teaching
Dictionaries	Outlines, syllabi, etc.	
Drama [about]		



# LIST OF SUBJECT HEADINGS

FOR USE IN

## DICTIONARY CATALOGS

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Abandoned farms *see* Farms, Abandoned

Abattoirs *see* Slaughtering and slaughterhouses

### Abbeys

*See also* Cathedrals; Convents and nunneries; Monasteries; *also* names of abbeys, e.g. Westminster abbey

### Abbreviations

*See also* Ciphers; Shorthand

### Abdomen

*See also* Anatomy; Intestines; Kidneys; Liver; Stomach; Viscera

### Aberration

*See also* Astronomy, Spherical and practical; Lenses; Light; Mirrors; Optical instruments

—Mental, *see* Insanity

### Ability

*See also* Efficiency, Industrial; Executive ability; Genius; Leadership; Talent

Abiogenesis *see* Spontaneous generation

Abnormal children *see* Children, Abnormal and backward

Abnormal psychology *see* Mental diseases

Abolition of slavery *see* Abolitionists; Slavery; Slavery in the U. S.

### Abolitionists

*See also* Slavery in the U. S.

Aborigines *see* Ethnology; *also* names of aboriginal races, e.g. Indians

Abrasion (geology) *see* Erosion

### Abrasives

*See also* Corundum; Geology, Economic; Grinding and polishing

### Abscess

*See also* Suppuration

Absent treatment *see* Christian science; Mental healing

### Absenteeism

*See also* Land tenure; Land tenure — Ireland

### Absolute, The

*See also* Metaphysics

Absolute rights *see* Natural law

*Refer from* Catholic church; Church architecture; Church history; Convents and nunneries; Monasteries

*Refer from* Ciphers; Contractions (s); Paleography; Shorthand; Writing

*Refer from* Anatomy; Viscera

*Refer from* Astronomy; Astronomy, Spherical and practical; Light

*Refer from* Efficiency, Industrial; Executive ability; Genius; Psychology; Talent

*Refer from* Abolition of slavery (s); Biography; Slavery in the U. S.

*Refer from* Corundum; Geology, Economic; Grinding and polishing; Machine tools; Mineralogy

*Refer from* Pathology; Suppuration

*Refer from* Agriculture — Ireland; Ireland — Economic conditions; Land tenure; Land tenure — Ireland; Landlord and tenant; Taxation

*Refer from* God; Metaphysics; Theology

Accepted by  
L. A. C. [illegible]  
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**Absolution**

*See also* Confession; Indulgences; Penance

Absolutism *see* Despotism

**Absorption (physiology)**

*See also* Digestion; Metabolism; Osmosis; Skin

Absorption in soils *see* Soil absorption

**Absorption of light**

*See also* Light

Absorption spectra *see* Spectra

Abstinence *see* Fasting; Temperance

Abstract writing *see* Précis writing

Abstracts of title *see* Land titles

Academic costume *see* Costume, Academic

Academic degrees *see* Degrees, Academic

Academies (learned societies) *see* Learned societies

**Academies (schools)**

*See also* Education, Secondary; Private schools

**Acadians**

*See also* Nova Scotia

**Accent**

*See also* Prosody; *also* names of languages, subhead Accents

Accidence *see* Grammar

Accident insurance *see* Insurance, Accident

**Accidents**

*See also* Ambulances; Boiler explosions; Burns and scalds; Collisions at sea; Damages; Disasters; Drowning; Employers' liability; Explosions; First aid in illness and injury; Insurance, Accident; Life-saving; Lightning; Mine accidents; Occupations, Dangerous; Poisons; Railroads — Accidents; Safety devices; Shipwrecks; Surgery; Wounds

**Acclimatization**

*See also* Anthropogeography; Climate; Ecology; Environment; Tropics

**Acclimatization (plants)**

*See also* Ecology; Plant introduction

Accompaniment, Musical, *see* Musical accompaniment

**Accounting**

*See also* Arithmetic, Commercial; Auditing; Bookkeeping; Business; Card system in business; Cash registers; Cost accounting; Municipal accounts

*Accounting, municipal.*

Accumulators *see* Storage batteries

Acephala *see* Bivalves

**Acetylene****Acids**

*See also* Chemistry; *also* names of acids

*Refer from* Catholic church; Church discipline; Church polity; Confession; Indulgences; Penance; Sin

*Refer from* Assimilation (s); Digestion; Metabolism; Nutrition; Osmosis; Physiological chemistry; Physiology

*Refer from* Light

*Refer from* Education, Secondary; Preparatory schools (s); Private schools; Schools; Secondary schools (s)

*Refer from* French-Canadians; Nova Scotia

*Refer from* Language; Prosody

*Refer from* Disasters; Drowning; Emergencies (s); Employers' liability; First aid in illness and injury; Injuries (s); Life-saving; Medicine; Occupations, Dangerous; Surgery

*Refer from* Adaption (biology); Anthropogeography; Biology; Climate; Ecology; Environment; Tropics; Tropics — Diseases and hygiene

*Refer from* Agriculture; Ecology; Gardening; Geographical distribution of animals and plants; Plant introduction; Plants — Acclimatization (s)

*Refer from* Arithmetic, Commercial; Auditing; Bookkeeping; Business; Business education; Card system in business; Commerce; Cost accounting; Municipal accounts; Scientific management

*Refer from* Chemistry, Technical; Gas; Gas lighting; Gases; Lighting

*Refer from* Chemistry

J 9 Y N

**Acknowledgments**

*See also* Deeds; Evidence

Acoustics *see* Acoustics of buildings; Hearing; Sound

**Acoustics of buildings**

*See also* Architecture

**Acrobats**

*See also* Gymnastics

**Acrostics**

*See also* Puzzles

**Acting**

*See also* Actors; Amateur theatricals; Drama; Expression; Gesture; Make-up, Theatrical; Pageants; Pantomime; Theater; Vaudeville

**—Study and teaching**

Actinotherapy *see* Radiotherapy

**Actions at law**

*See also* Costs; Equity; Evidence; Forms (in law); Injunctions; Limitations (law); Pleading and practice; Trials

**Actors**

*See also* Acting; Make-up, Theatrical; Theater; Vaudeville

Actresses *see* Actors

Adages *see* Maxims; Proverbs

**Adaptation (biology)**

*See also* Acclimatization; Ecology; Environment; Evolution

Addresses *see* Orations

**Adhesives**

*See also* Cement; Glue; Paste; Wax

Administration *see* Administrators and executors; Civil service; Government; *also* names of countries and states, subhead Government

**Administrators and executors**

*See also* Probate law and practice; Wills

**Admirals**

*See also* Naval biography

**Admiralty**

*See also* Collisions at sea; Commercial law; Demurrage; Maritime law; Salvage

Adolescence *see* Youth

**Adoption**

*See also* Guardians

**Adulterations**

*See also* Chemistry — Analysis; Chemistry, Technical; Drugs; Food adulteration and inspection; Liquors; Seeds — Adulteration and inspection

**Adultery**

*See also* Sexual ethics

**Advent**

*See also* Christian year; Christmas; Second advent

*Refer from* Deeds; Law; Notaries

*Refer from* Acoustics (s); Architectural acoustics (s); Architecture; Building; Sound

*Refer from* Circus; Gymnastics; Sports; Tumbling (s)

*Refer from* Puzzles

*Refer from* Actors; Amateur theatricals; Amusements; Drama; Dramatic art (s); Dramatic expression (s); Elocution; Histrionics (s); Impersonation (s); Make-up, Theatrical; Stage (s); Theater

*Refer from* Dramatic education (s)

*Refer from* Equity; Forms (in law); Law; Lawsuits (s); Pleading and practice; Procedure (s); Suits at law (s); Trials

*Refer from* Acting; Actresses (s); Biography; Comedians (s); Drama; Players (s); Theater

*Refer from* Biology; Ecology; Environment; Evolution

*Refer from* Agglutinants (s); Cement; Glue; Paste

*Refer from* Administration (s); Appraising; Commercial law; Executors (s); Guardians; Inheritance; Law; Powers (law); Probate law and practice; Property; Trustees; Wills

*Refer from* Naval biography; Naval history

*Refer from* Collisions at sea; Commercial law; Courts; Law; Maritime law

*Refer from* Children; Foundlings; Guardians; Law; Orphans and orphan asylums

*Refer from* Chemistry — Analysis; Chemistry, Technical; Crime and criminals; Drugs; Food adulteration and inspection; Hygiene, Public; Liquors; Sanitary chemistry

*Refer from* Crime and criminals; Marriage; Sexual ethics

*Refer from* Christian year; Fasts and feasts



St. Louis - St. Louis, Mo.  
St. Louis, Mo.  
St. Louis, Mo.

**ants** *see* Second adventists  
**are**  
*See also* Castaways; Discoveries and  
 rations; Escapes; Explorers; Frontier  
 pioneer life; Heroes; Hunting; Sea-  
 ing life; Shipwrecks; Sports; Treasure-  
 s; Voyages and travels  
**artists** *see* Imposture  
**in possession** *see* Possession (in law)  
**affliction** *see* Affliction; Misfortune  
**listing**  
*See also* Billposting; Business; Library  
 bins; Mail order business; Posters;  
 mation; Publicity; Salesmanship; Show  
 s; Sign painting; Signs; Street cries;  
 show dressing  
**aviation** *see* Aeronautics  
**propellers**  
**air railroads**  
**air warfare** *see* Aeronautics, Military  
**airplanes** *see* Aeroplanes; Flying machines  
**aerodynamics**  
*See also* Air; Flight  
**air** *see* Meteorites  
**air** *see* Meteorology  
**aerodynamic motors**  
*See also* Aeronautics; Aeroplanes  
**aerodynamics**  
*See also* Aerial propellers; Aerodynamics;  
 aerodynamic motors; Aeronauts; Aeroplanes;  
 ships; Balloons; Flight; Flying machines;  
 aces; Speed  
**—Military**  
**aerodynamics**  
**airplanes**  
*See also* Aerial propellers; Aeronautic  
 motors; Aeronautics; Flying machines  
**aerodynamics** *see* Esthetics  
*see* *see* Ether  
**affection** *see* Friendship; Kindness; Love  
**adversity**  
**affinity** Chemical, *see* Chemical affinity  
**adversity**  
*See also* Consolation; Misfortune; Resig-  
 nation  
**afforestation** *see* Forest planting  
**colonization** *see* Africa — Colonization  
**ancient languages**  
*See also* Coptic language; Egyptian  
 language; Hamitic languages  
**ancient slave trade** *see* Slave trade  
**dinner speeches**  
*See also* Anecdotes; Toasts  
**age**  
*See also* Age limit of employment;  
 growth; Longevity; Old age; Youth  
**age limit of employment**

*Refer from* Escapes; Heroes; Voyages and travels

*Refer from* Billposting; Business; Commerce; Mail order business; Newspapers; Periodicals; Publicity; Salesmanship

*Refer from* Aeronautics; Aeroplanes; Air propellers (s); Propellers  
*Refer from* Railroads; Railroads, Aerial (s)

*Refer from* Aeronautics; Air; Dynamics; Flight; Gases

*Refer from* Aeronautics; Aeroplanes; Flying machines; Motors

*Refer from* Aerial navigation (s); Aeronautic motors; Aeroplanes; Air; Airships; Aviation (s); Balloons; Engineering; Flight; Flying machines; Locomotion; Mechanics; Navigation; Sports; Transportation

*Refer from* Aerial warfare (s); Military aeronautics (s); Military art and science

*Refer from* Aeronautics; Aviators (s); Balloonists (s); Biography

*Refer from* Aerodromes (s); Aeronautic motors; Aeronautics; Airships; Biplanes (s); Flying machines; Gliders (s); Monoplanes (s)

*Refer from* Evidence; Forms (in law); Law; Notaries

*Refer from* Adversity (s); Ethics; Misfortune; Suffering; Trouble (s)

*Refer from* Coptic language; Egyptian language; Hamitic languages; Language

*Refer from* Dinners and dining; Orations; Speeches (s); Toasts

*Refer from* Old age

*Refer from* Age; Efficiency, Industrial; Labor and laboring classes; Old age

Other trading - Stock market,  
Savings banks,  
Trust companies.

Adventists *see* Second adventists

**Adventure**

*See also* Castaways; Discoveries and explorations; Escapes; Explorers; Frontier and pioneer life; Heroes; Hunting; Seafaring life; Shipwrecks; Sports; Treasure-trove; Voyages and travels

Adventurers *see* Imposture

Adverse possession *see* Possession (in law)

Adversity *see* Affliction; Misfortune

✓ **Advertising**

*See also* Billposting; Business; Library bulletins; Mail order business; Posters; Promoting; Publicity; Salesmanship; Show cards; Sign painting; Signs; Street cries; Window dressing

Aerial navigation *see* Aeronautics

**Aerial propellers**

**Aerial railroads**

Aerial warfare *see* Aeronautics, Military

Aerodromes *see* Aeroplanes; Flying machines

**Aerodynamics**

*See also* Air; Flight

Aerolites *see* Meteorites

Aerology *see* Meteorology

**Aeronautic motors**

*See also* Aeronautics; Aeroplanes

**Aeronautics**

*See also* Aerial propellers; Aerodynamics; Aeronautic motors; Aeronauts; Aeroplanes; Airships; Balloons; Flight; Flying machines; Kites; Speed

— **Military**

**Aeronauts**

**Aeroplanes**

*See also* Aerial propellers; Aeronautic motors; Aeronautics; Flying machines

Aesthetics *see* Esthetics

Aether *see* Ether

Affection *see* Friendship; Kindness; Love

**Affidavits**

Affinity, Chemical, *see* Chemical affinity

**Affliction**

*See also* Consolation; Misfortune; Resignation

Afforestation *see* Forest planting

African colonization *see* Africa — Colonization

**African languages**

*See also* Coptic language; Egyptian language; Hamitic languages

African slave trade *see* Slave trade

**After-dinner speeches**

*See also* Anecdotes; Toasts

**Age**

*See also* Age limit of employment; Growth; Longevity; Old age; Youth

**Age limit of employment**

*Refer from* Escapes; Heroes; Voyages and travels

*Refer from* Billposting; Business; Commerce; Mail order business; Newspapers; Periodicals; Publicity; Salesmanship

*Refer from* Aeronautics; Aeroplanes; Air propellers (s); Propellers

*Refer from* Railroads; Railroads, Aerial (s)

*Refer from* Aeronautics; Air; Dynamics; Flight; Gases

*Refer from* Aeronautics; Aeroplanes; Flying machines; Motors

*Refer from* Aerial navigation (s); Aeronautic motors; Aeroplanes; Air; Airships; Aviation (s); Balloons; Engineering; Flight; Flying machines; Locomotion; Mechanics; Navigation; Sports; Transportation

*Refer from* Aerial warfare (s); Military aeronautics (s); Military art and science

*Refer from* Aeronautics; Aviators (s); Balloonists (s); Biography

*Refer from* Aerodromes (s); Aeronautic motors; Aeronautics; Airships; Biplanes (s); Flying machines; Gliders (s); Monoplanes (s)

*Refer from* Evidence; Forms (in law); Law; Notaries

*Refer from* Adversity (s); Ethics; Misfortune; Suffering; Trouble (s)

*Refer from* Coptic language; Egyptian language; Hamitic languages; Language

*Refer from* Dinners and dining; Orations; Speeches (s); Toasts

*Refer from* Old age

*Refer from* Age; Efficiency, Industrial; Labor and laboring classes; Old age

Am. Soc. of Extension  
Educators

Aged *see* Longevity; Old age  
Aged poor *see* Homes for the aged; Old age;  
Old age pensions; Poor

**Agency**

*See also* Bailments; Brokers and factors;  
Commercial law; Contracts; Damages;  
Employers' liability; Employment agencies;  
Negligence; Powers (law); Receivers

Agents *see* Agency; Brokers and factors;  
Commercial travelers

Agglutinants *see* Adhesives

**Agincourt, Battle of**

*See also* England — History — Lancaster  
and York; France — History — House of  
Valois; Hundred years' war

**Agnosticism**

*See also* Atheism; Positivism; Rational-  
ism; Skepticism

Agreements *see* Contracts

Agricultural bacteriology *see* Bacteriology,  
Agricultural

✓ Agricultural banks *see* Agricultural credit;  
Banks and banking; Land banks

Agricultural botany *see* Botany, Economic

**Agricultural chemistry**

*See also* Ammonia; Fertilizers and man-  
ures; Nitrification; Phosphates; Plants —  
Chemistry and nutrition; Plants, Effect of  
chemicals on; Soils

**Agricultural colleges**

*See also* Agriculture — Study and teaching

Agricultural colonies *see* Farm colonies

✓ **Agricultural credit**

*See also* Land banks, *see also* *see also*

✓ ~~Agricultural education *see* Agricultural col-  
leges; Agriculture — Study and teaching~~

**Agricultural exhibitions**

**Agricultural experiment stations**

*See also* Agricultural experimentation;  
Agriculture — Demonstration work; *also*  
special stations

**Agricultural experimentation**

*See also* Agricultural experiment stations;  
Agriculture — Demonstration work

Agricultural implements *see* Farm implements  
and machinery

Agricultural laborers *see* Farm labor

**Agricultural laws**

*See also* Corn laws

Agricultural machinery *see* Farm implements  
and machinery

**Agricultural pests**

*See also* Birds, Useful and injurious;  
Cotton — Diseases and pests; Fruit — Dis-  
eases and pests; Fungi; Insects, Injurious  
and beneficial; Rabbits; Tobacco — Dis-  
eases and pests; Trees — Diseases and  
pests; Weeds

*Refer from* Agents (s); Attorneys (s);  
Bailments; Brokers and factors; Commercial  
law; Contracts; Law; Negligence; Partner-  
ship; Power of attorney (s); Powers (law);  
Principal and agent (s)

*Refer from* England — History — Lancas-  
ter and York; France — History — House of  
Valois; Hundred years' war

*Refer from* Atheism; Belief; Faith; Free  
thought; God; Naturalism; Philosophy; Phi-  
losophy, Modern; Secularism; Skepticism;  
Theology

*Refer from* Chemistry; Chemistry, Agricul-  
tural (s); Chemistry, Dairy (s); Dairy chemis-  
try (s); Fertilizers and manures; Soils

*Refer from* Agriculture — Study and teach-  
ing; Agricultural education (s); Colleges and  
universities

*Refer from* Agricultural banks (s); Banks  
and banking; Credit; Crédit foncier (s); Land  
banks; Land credit (s)

*Refer from* Exhibitions; Fairs; State fairs (s)

*Refer from* Agricultural experimentation;  
Agriculture — Demonstration work; Experi-  
ment stations (s)

*Refer from* Agricultural experiment stations;  
Agriculture — Demonstration work; Experi-  
ments (s)

*Refer from* Farm laws (s); Law

*Refer from* Gardening; Insects, Injurious and  
beneficial; Pests (s)



**Agricultural physics**

*See also* Drainage; Farm buildings; Farm motors; Soil absorption; Soil moisture; Soils; Tillage

**Agricultural products**

*See also* Botany, Economic; Cocoa; Coffee; Commercial products; Cotton; Crops; Dairy products; Essences and essential oils; Fibers; Forest products; Fruit; Ginseng; Grain; Hay; Indigo; Liquors; Marketing of farm produce; Opium; Rice; Root crops; Rubber; Spices; Sugar; Tea; Tobacco; Vegetables

**Agricultural societies**

*See also* Farmers' institutes; Grange  
Agricultural tools *see* Farm implements and machinery

**Agriculture**

*See also* Acclimatization (plants); Bacteriology, Agricultural; Bees; Birds, Useful and injurious; Botany, Economic; Clearing of land; Cooperative agriculture; Corn laws; Cover crops; Crops; Dairying; Domestic animals, and names of animals; Drainage; Dry farming; Electricity on the farm; Ensilage; Farm buildings; Farm colonies; Farm implements and machinery; Farm labor; Farm life; Farm management; Farm values; Farmers; Farmers' institutes; Farms; Feeding and feeding stuffs; Fertilizers and manures; Floriculture; Forage plants; Forests and forestry; Frost protection; Fruit culture; Gardening; Greenhouses; Insects, Injurious and beneficial; Irrigation; Land; Land tenure; Live stock; Market gardening; Marketing of farm produce; Pastures and meadows; Peasantry; Plant breeding; Plants; Reclamation of land; Rotation of crops; Seeds, Selection and testing; Soil fertility; Soil inoculation; Soil surveys; Soils; Threshing; Tillage; Trees; *also* headings beginning Agricultural, and names of special products

**Demonstration work**

*See also* Agricultural experiment stations; Agricultural experimentation

**Statistics**

**Study and teaching**

*See also* Agricultural colleges; Agriculture — Demonstration work; Farm schools; Forestry schools and education

**Tropics**

*See also* Cocoa; Coffee; Cotton; Opium; Rice; Rubber; Spices; Sugar; Tea; Tobacco

**U. S.**

Agronomy *see* Agriculture

Agrostology *see* Grasses

Ague *see* Malaria

**Ainos**

*See also* Ethnology. — Japan

*Refer from* Drainage; Physics; Soil moisture; Soils; Tillage

*Refer from* Botany, Economic; Commercial products; Crops; Farm products (s); Products, Agricultural (s)

*Refer from* Farmers; Societies

*Refer from* Agronomy (s); Crops; Farmers; Farming (s); Farms; Fruit culture; Gardening; Husbandry (s); Industrial arts; Land; Market gardening; Marketing of farm produce; Planting (s); Plants; Rotation of crops; Rural economy (s); Soils; Tillage

*Refer from* Agricultural experiment stations; Agricultural experimentation; Agriculture — Study and teaching; Demonstration work in agriculture (s)

*Refer from* Crop reports (s); Crops; Food supply

*Refer from* Agricultural colleges; Agricultural education (s)

*Refer from* Tropical agriculture (s); Tropics

*Refer from* U. S. — Agriculture (s); U. S. — Industries and resources

*Refer from* Ainu (s); Ethnology — Japan; Japan





**Ainu** *see* Ainos

**Air**

*See also* Aerodynamics; Aeronautics; Argon; Atmospheric electricity; Atmospheric nucleation; Barometer; Compressed air; Humidity; Hygrometry; Ionization of gases; Liquid air; Meteorology; Ozone; Ventilation  
—Liquid, *see* Liquid air

**Air brakes**

*See also* Brakes; Safety devices

**Air compressors**

*See also* Air pumps; Compressed air

**Air engines**

*See also* Compressed air

Air passages *see* Respiratory organs

**Air pollution**

*See also* Dust; Smoke; Ventilation

Air propellers *see* Aerial propellers

**Air pumps**

*See also* Air compressors

Air-ships *see* Airships

**Airships**

*See also* Aeronautics; Aeroplanes; Balloons

**Alabama claims**

**Aladdin oven**

**Albigenses**

*See also* France — Religious history; Waldenses

**Albinos and albinism**

*See also* Color of man

**Alchemy**

*See also* Chemistry — History; Elixir of life; Occult sciences; Philosopher's stone

**Alcohol**

*See also* Alcoholism; Brandy; Chemistry, Organic; Distillation; Liquor problem; Liquor traffic; Liquors, and names of liquors; Temperance

—Denatured

*See also* Alcohol motors

—Physiological effects

Alcohol engines *see* Alcohol motors

**Alcohol motors**

**Alcoholism**

*See also* Alcohol — Physiological effects; Gold cure; Inebriate asylums; Liquor problem; Temperance

*Refer from* Aerodynamics; Atmosphere (s); Chemistry; Ether (of space); Gases; Meteorology; Physics; Pneumatics (s)

*Refer from* Brakes; Cars; Railroads; Railroads — Equipment and supplies; Safety devices

*Refer from* Air pumps; Compressed air

*Refer from* Caloric engines (s); Engines; Heat engines; Hot-air engines (s)

*Refer from* Hygiene; Sanitary chemistry; Ventilation

*Refer from* Air compressors; Pneumatic pumps (s); Pumps

*Refer from* Aeronautics; Air-ships (s); Balloons; Balloons, Dirigible (s); Dirigible balloons (s)

*Refer from* Claims; Geneva award (s); Neutrality; Privateering; U. S. — History — Civil war — Foreign relations; U. S. — Foreign relations — England

*Refer from* Cookery; Stoves

*Refer from* Church history — Middle ages; France — Religious history; Persecution; Waldenses

*Refer from* Color of animals; Color of man; Leucopathy (s)

*Refer from* Chemistry; Chemistry — History; Elixir of life; Gold; Hermetic art (s); Metals; Occult sciences; Philosopher's stone; Superstition; Transmutation of metals (s)

*Refer from* Chemistry, Organic; Distillation; Intoxicants (s); Liquors; Stimulants; Temperance

*Refer from* Chemistry, Technical; Denatured alcohol (s); Industrial alcohol (s); Liquid fuel

*Refer from* Alcoholism; Hygiene; Temperance

*Refer from* Alcohol, Denatured; Alcohol engines (s); Gas and oil engines; Motors

*Refer from* Alcohol; Crime and criminals; Dipsomania (s); Drunkenness (s); Inebriates (s); Intemperance (s); Intoxication (s); Liquor habit (s); Liquor problem; Medicine — Practice; Temperance



**Alcoran** *see* Koran

**Ale**

*See also* Beer; Brewing; Liquors; Malt

**Alfalfa**

*See also* Feeding and feeding stuffs; Forage plants

**Algae**

*See also* Cryptogams; Aquatic plants

**Algebra**

*See also* Calculus; Determinants; Equations; Functions; Groups, Theory of; Logarithms; Mathematics; Numbers; Probabilities; Quaternions; Vector analysis

Algonkian Indians *see* Algonquian Indians

Algonkian period *see* Geology, Stratigraphic — Algonkian

**Algonquian Indians**

*See also* Blackfoot Indians; Delaware Indians; Narragansett Indians

**Algonquian languages**

*See also* Indians — Languages

**Alhambra**

*See also* Granada

**Alien and sedition laws, 1798**

*See also* Kentucky and Virginia resolutions, 1798; U. S. — History — 1783-1812

**Aliens**

*See also* Allegiance; Citizenship; Expatriation; Naturalization; *also* Chinese in the U. S., and similar headings

Alimentary canal *see* Digestive system

**Alkali lands**

**Alkalies**

*See also* Ammonia; Chemistry, Inorganic

**Alkaloids**

*See also* Chemistry, Organic; Morphine; Ptomaines

Alkoran *see* Koran

All fools' day *see* April fools' day

All hallow eve *see* Halloween

**Allegiance**

*See also* Aliens; Citizenship; Naturalization

**Allegories**

*See also* Fables; Parables

**Allegory**

*See also* Allegories; Rhetoric

Alliance, Holy, *see* Holy alliance

Alliance, Triple, *see* Triple alliance

**Alliteration**

*See also* Rhetoric; Versification

**Allopathy** [for polemical treatises only]

*Refer from* Beer; Brewing; Liquors

*Refer from* Feeding and feeding stuffs; Fertilizers and manures; Forage plants; Hay; Lucerne (plant) (s)

*Refer from* Aquatic plants; Cryptogams; Marine biology; Marine botany (s); Marine flora (s); Marine plants (s); Mosses; Ocean; Sea mosses (s); Seashore; Seaweeds (s)

*Refer from* Analysis (mathematics) (s); Calculus; Determinants; Equations; Groups, Theory of; Mathematics; Quaternions

*Refer from* Algonkian Indians (s); Blackfoot Indians; Delaware Indians; Indians; Narragansett Indians

*Refer from* Indians — Languages

*Refer from* Architecture, Mohammedan; Granada; Palaces

*Refer from* Immigration and emigration — U. S.; Naturalization; Sedition act, 1798 (s); U. S. — Constitution; U. S. — History — 1783-1812

*Refer from* Allegiance; Asylum, Right of; Citizenship; Expatriation; Foreigners (s); Immigration and emigration; International law; Law; Naturalization

*Refer from* Irrigation; Reclamation of land; Soils

*Refer from* Ammonia; Chemistry; Chemistry, Inorganic

*Refer from* Chemistry, Organic; Nitrogen; Poisons

*Refer from* Aliens; Citizenship; International law; Law; Treason

*Refer from* Allegory; Fables; Fiction; Literature; Parables; Religion

*Refer from* Rhetoric

*Refer from* Language; Poetry; Rhetoric; Versification

*Refer from* Medicine



**Alloys**

*See also* Amalgamation; Amalgams; Brass; Bronze; Metallography; Metallurgy; Pewter; Solder and soldering

**Allusions****Alluvium**

*See also* Geology; Physical geography

**Almanacs**

*See also* Calendars; Chronology; Nautical almanacs; Yearbooks

Almsgiving *see* Charity; Poor

**Almshouses**

*See also* Asylums; Charities; Poor

**Alphabet**

*See also* Cuneiform writing; Hieroglyphics; Inscriptions; Lettering; Paleography; Printing; Runes; Transliteration; Writing

**Alphabetizing**

*See also* Cataloging

Alphabets *see* Alphabet; Lettering

**Alpine clubs**

*See also* Geographical societies; Mountaineering

**Alpine plants**

Altaic languages *see* Ural-Altaic languages

**Altars**

*See also* Church furniture; Lord's supper; Mass; Sacrifice

Alternating current machinery *see* Electric machinery — Alternating current

Alternating currents *see* Electric currents, Alternating

**Altitudes**

*See also* Sea level; *also* names of countries, subhead Altitudes

**Altruism**

*See also* Egoism; Ethics

**Aluminium**

*See also* Metals

Aluminum *see* Aluminium

**Amalgamation**

*See also* Alloys; Amalgams; Mercury

**Amalgams**

*See also* Alloys; Mercury

**Amateur journalism**

*See also* Students' periodicals

**Amateur theatricals**

*See also* Acting; Charades; College plays; Dialogues; Make-up, Theatrical; Monologues; Pantomime; Shadow pantomimes; Tableaux

**Amazons**

*See also* Mythology, Classical

**Ambassadors**

*See also* Diplomacy; Diplomatic and consular service; Diplomats; Extraterritoriality

*Refer from* Amalgamation; Amalgams; Brass; Bronze; Metallography; Metallurgy; Metals; Pewter; Solder and soldering

*Refer from* Literature; Reference books

*Refer from* Geology; Physical geography; Soils

*Refer from* Annuals; Astronomy; Calendars; Chronology; Days; Registers; Statistics; Time; Yearbooks

*Refer from* Asylums; Charities; Homes (institutions) (s); Institutions, Charitable and philanthropic (s); Poor; Poorhouses (s); Workhouses (charities) (s)

*Refer from* Alphabets (s); English language — Alphabet (s); Hieroglyphics; Inscriptions; Language; Letters of the alphabet (s); Paleography; Phonetics; Writing

*Refer from* Cataloging

*Refer from* Alps; Geographical societies; Mountaineering; Mountains

*Refer from* Botany; Mountains; Plants

*Refer from* Church furniture; Sacrifice

*Refer from* Elevations (s); Heights (s); Hypsometry (s); Physical geography; Sea level; Surveying

*Refer from* Benevolence (s); Charity; Conduct of life; Egoism; Ethics; Philanthropy; Sociology

*Refer from* Aluminum (s); Metals

*Refer from* Alloys; Metallurgy

*Refer from* Alloys; Amalgamation; Mercury; Metals

*Refer from* Journalism; Students' periodicals

*Refer from* Acting; Amusements; Charades; Drama; Drawing-room plays (s); Entertainments; Pantomime; Plays (s); Private theatricals (s); Tableaux; Theater; Theatricals, Amateur (s)

*Refer from* Mythology, Classical; Women

*Refer from* Diplomacy; Diplomatic and consular service; Diplomats; Extraterritoriality; International relations; Ministers of state

Let  $\alpha_1, \alpha_2, \dots, \alpha_n$  be the roots of the polynomial  $P(x)$  in  $\mathbb{C}$ . Then  $\alpha_1, \alpha_2, \dots, \alpha_n$  are the roots of the polynomial  $P(x)$  in  $\mathbb{C}$ . See

the proof of the theorem. The roots of the polynomial  $P(x)$  in  $\mathbb{C}$  are the roots of the polynomial  $P(x)$  in  $\mathbb{C}$ . See

**Ambidexterity**

*See also* Hand; Left- and right-handedness

**Ambition**

Ambulance drill *see* First aid in illness and injury

**Ambulances**

*See also* First aid in illness and injury

**Amendments (parliamentary practice)**

*See also* Parliamentary practice

**America — Discovery and exploration****—Discovery and exploration — Pre-Columbian**

*See also* Northmen

American aborigines *see* Indians

American art *see* Art, American

American authors *see* Authors, American

American ballads *see* Ballads, American

American colonial history *see* U. S. — History

— Colonial period

**American drama**

*See also* American literature; Dramatists, American; English drama; Theater — U. S.

**American essays**

*See also* American literature; English essays

**American fiction**

*See also* American literature; English fiction

American humor *see* Humor, American

American Indians *see* Indians

American letters *see* Letters, American

**American literature**

*See also* American drama; American essays; American fiction; American poetry; Authors, American; Ballads, American; Canadian literature; English literature; German-American literature; Humor, American; Letters, American; Newspapers — U. S.; Orations, American; Parodies; Periodicals — U. S.; Satire, American; Sonnets, American

**—Indiana****—New England**

*See also* Boston — Literature

American loyalists *see* Loyalists, American

American newspapers *see* Newspapers — U. S.

American orations *see* Orations, American

American party *see* Know-nothing party

American periodicals *see* Periodicals — U. S.

**American poetry**

*See also* American drama; American literature; Ballads, American; Canadian poetry; English poetry; Poets, American; Songs, American; Sonnets, American

American revolution *see* U. S. — History — Revolution

American satire *see* Satire, American

American songs *see* Ballads, American; Songs, American

American sonnets *see* Sonnets, American

American wit and humor *see* Humor, American

*Refer from* Hand; Left- and right-handedness

*Refer from* Conduct of life; Success

*Refer from* Accidents; Carriages; Hospitals; Surgery, Military; Vehicles

*Refer from* Constitutional law; Parliamentary practice

*Refer from* U. S. — Discovery and exploration (s); U. S. — History — Colonial period

*Refer from* Northmen

*Refer from* American literature; American poetry; Drama; Dramatists, American; English drama; Theater — U. S.; U. S. — Drama (s)

*Refer from* American literature; English essays; Essays

*Refer from* American literature; English fiction; Fiction

*Refer from* American drama; American essays; American fiction; American poetry; Authors, American; English literature; Humor, American; Literature; Satire, American; U. S. — Literature (s)

*Refer from* Indiana — Literature (s)

*Refer from* New England — Literature (s)

*Refer from* American literature; Ballads, American; English poetry; Poetry; Poets, American; Sonnets, American; U. S. — Poetry (s)



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Americana *see* subhead Bibliography under America and under names of parts of the continent, regions, countries and places

**Americanisms**

*Refer from* English language; English language — Dialects; Idioms, English; Slang

**Americans in Europe**

**America's cup**

*See also* Yachts and yachting

*Refer from* Cup races (s); Yachts and yachting

Amcrinds *see* Indians

Amish Mennonites *see* Mennonites

**Ammonia**

*See also* Alkalies

*Refer from* Agricultural chemistry; Alkalies; Chemistry, Inorganic; Chemistry, Technical; Fertilizers and manures

**Ammunition**

*See also* Firearms; Gunpowder; Ordnance; Projectiles

*Refer from* Explosives; Firearms; Gunnery; Gunpowder; Guns; Military art and science; Ordnance; Projectiles

**Amphibia**

*See also* Frogs; Toads; Vertebrates

*Refer from* Batrachia (s); Frogs; Reptiles; Toads; Vertebrates

**Amphitheaters**

*See also* Architecture; Gladiators

*Refer from* Architecture

Amphorae *see* Vases

**Amputation**

*See also* Surgery

*Refer from* Surgery

**Amulets**

*See also* Charms; Scarabs

*Refer from* Archaeology; Charms; Demonology; Superstition; Talismans (s); Witchcraft

*Refer from* Amusements; Parks

**Amusement parks**

**Amusements**

*See also* Acting; Amateur theatricals; Amusement parks; Athletics; Balls (parties); Camping; Cards; Charades; Circus; Coaches and coaching; Concerts; Conjuring; Dancing; Drills and marches; Entertainments; Fairs; Fencing; Festivals; Fortune telling; Games; Kites; Masquerades; Mathematical recreations; Minstrel shows; Moving pictures; Opera; Pageants; Palmistry; Pantomime; Picnics; Play; Playgrounds; Puppet plays; Puzzles; Riddles; School excursions; Scientific recreations; Soap bubbles; Sports; String figures; Tableaux; Theater; Toys; Vaudeville; Ventriloquism; *also* names of cities, subhead Amusements

*Refer from* Entertaining; Entertainments; Ethics; Games; Manners and customs; Pastimes (s); Play; Recreation (s); Relaxation (s); Sports

Ana *see* Anecdotes

**Anabaptists**

*See also* Baptists; Mennonites; Peasants' war

*Refer from* Baptists; Germany — Religious history; Mennonites; Peasants' war; Reformation — Germany; Sects

Anabolism *see* Metabolism

Anaesthesia *see* Anesthetics

**Anagrams**

**Analogy**

*Refer from* Literature; Puzzles

*Refer from* Logic; Philosophy; Rhetoric

Analysis (chemistry) *see* Assaying; Blowpipe; Chemistry — Analysis; *also* names of substances analyzed

Analysis (mathematics) *see* Algebra; Calculus; Functions

Analysis, Spectrum, *see* Spectrum analysis

Analysis of food *see* Food — Analysis; Food adulteration and inspection



Analytical chemistry *see* Chemistry — Analysis

Analytical geometry *see* Geometry, Analytic

**Anarchism and anarchists**

*See also* Nihilism

Anarchy *see* Anarchism and anarchists

**Anatomy**

*See also* Abdomen; Anatomy, Artistic; Anatomy, Comparative; Anthropometry; Arm; Autopsy; Bones; Chest; Digestive system; Dissection; Ear; Eye; Foot; Glands; Hand; Head; Histology; Joints; Leg; Morphology; Mouth; Muscles; Nervous system; Nose; Physiology; Respiratory organs; Skeleton; Skin; Surgery; Teeth; Throat; Urinary organs; Vascular system; Vivisection; *also* names of organs, bones, etc.

— **Artistic**

*See also* Animal painting and illustration; Expression; Figure drawing; Figure painting; Proportion (art)

— **Comparative**

*See also* Animal locomotion; Animal mechanics; Man — Origin and antiquity; Morphology; Skeleton; Zoology; *also* names of organs and members

Anatomy for artists *see* Anatomy, Artistic

Anatomy of plants *see* Botany, Structural

**Ancestor worship**

*See also* Confucianism; Shinto

Ancestry *see* Genealogy; Heredity

**Anchors**

Ancien régime *see* France — History — Bourbons

Ancient art *see* Art, Ancient

Ancient geography *see* Geography, Ancient

Ancient history *see* History, Ancient

**Anecdotes**

*See also* Blunders; Children — Anecdotes and sayings; Humor; Indians — Anecdotes; Last words of famous people; Table-talk; *also* names of wars, subhead Anecdotes

— **Legal**

— **Medical**

— **Musical**

— **Religious**

**Anemometer**

*See also* Meteorological instruments

Aneroid barometer *see* Barometer

**Anesthetics**

*See also* Chloroform; Cocaine; Ether (anesthetic)

*Refer from* Anarchy (s); Assassination; Communism; Crime and criminals; Government; Liberty; Nihilism; Sociology

*Refer from* Abdomen; Arm; Biology; Body, Human (s); Bones; Chest; Digestive system; Dissection; Foot; Glands; Hand; Head; Histology; Human anatomy (s); Human body (s); Joints; Leg; Man; Medicine; Morphology; Muscles; Nervous system; Organography (s); Physiology; Respiratory organs; Skeleton; Skin; Surgery; Urinary organs; Vascular system

*Refer from* Anatomy; Anatomy for artists (s); Art; Art anatomy (s); Artistic anatomy (s); Drawing; Expression; Figure drawing; Figure painting; Human figure in art (s); Painting; Proportion (art); Sculpture

*Refer from* Anatomy; Animal mechanics; Comparative anatomy (s); Comparative morphology (s); Dissection; Evolution; Man — Origin and antiquity; Skeleton; Zoology; Zootomy (s)

*Refer from* Confucianism; Family; Parents; Shinto; Worship

*Refer from* Ships

*Refer from* After-dinner speeches; Ana (s); Biography; Blunders; Humor; Illustrations (anecdotes) (s); Literature; Table-talk

*Refer from* Law; Lawyers; Legal anecdotes (s)

*Refer from* Medical anecdotes (s); Medicine; Physicians and surgeons

*Refer from* Music; Music — Anecdotes (s); Musical anecdotes (s); Musicians

*Refer from* Homiletical illustrations (s); Preaching; Religious anecdotes (s); Religious literature; Sermons — Illustrative helps (s)

*Refer from* Meteorological instruments; Winds

*Refer from* Anæsthesia (s); Chloroform; Cocaine; Drugs; Ether (anesthetic); Medicine; Pain; Surgery; Therapeutics



**Angels**

*See also* Demonology

**Anger**

*See also* Emotions

**Angles**

*See also* Geometry

Anglican church *see* Church of England

**Anglican communion**

*See also* Church of England; Protestant

Episcopal church in the U. S.

Angling *see* Fishing

Anglo-Boer war *see* South African war, 1899-1902

**Anglo-Israelism**

*See also* Jews — Lost tribes

**Anglo-Saxon language**

*See also* English language; Germanic languages

**Anglo-Saxon literature**

*See also* Anglo-Saxon poetry; English literature

**Anglo-Saxon poetry**

*See also* Anglo-Saxon literature; English poetry

**Anglo-Saxons**

*See also* England — History — To 1066; Teutonic race

**Angora goats**

*See also* Goats

Aniline colors *see* Coal-tar colors

Animal behavior *see* Animals — Habits and behavior

**Animal charcoal**

*See also* Bone products

Animal chemistry *see* Physiological chemistry

Animal coloration *see* Color of animals

Animal drawing *see* Animal painting and illustration

Animal dwellings *see* Animals — Habitations

Animal electricity *see* Electrophysiology

**Animal experimentation**

*See also* Vivisection

Animal fats *see* Oils and fats

**Animal food**

*See also* Meat; Vegetarianism

**Animal heat**

*See also* Physiological chemistry

Animal homes *see* Animals — Habitations

Animal industry *see* Domestic animals; Live stock

Animal instinct *see* Instinct

**Animal intelligence**

*See also* Animals — Habits and behavior; Automatism; Instinct; Psychology, Comparative

Animal kingdom *see* Zoology

*Refer from* Bible; Heaven; Theology

*Refer from* Emotions; Ethics

*Refer from* Geometry

*Refer from* Church of England; Protestant Episcopal church in the U. S.

*Refer from* Jews; Jews — Lost tribes

*Refer from* English language; English language — Old English (s); Germanic languages; Old English language (s); Saxon language (s)

*Refer from* Anglo-Saxon poetry; English literature; Middle ages — Literature; Old English literature (s)

*Refer from* Anglo-Saxon literature; English poetry

*Refer from* Civilization; England — History — To 1066; Ethnology — England; Ethnology — U. S.; Teutonic race

*Refer from* Goats

*Refer from* Bone black (s); Bone products; Charcoal

*Refer from* Animals, Experiments on (s); Animals — Treatment; Experiments (s); Medical research; Vivisection

*Refer from* Diet; Food; Meat; Vegetarianism

*Refer from* Calorimeters and calorimetry; Heat; Physiological chemistry; Temperature

*Refer from* Animal psychology (s); Animals — Habits and behavior; Animals — Stories; Instinct; Intellect; Intelligence of animals (s); Mind in animals (s); Psychology; Psychology, Comparative; Reason; Soul



**Animal locomotion**

*See also* Animal mechanics; Flight; Muscles; Running; Speed; Swimming; Walking

**Animal lore [including legends]**

*See also* Animal worship; Animals, Mythical; Animals — Stories; Bestiaries; Dragons; Fables; Folklore; Natural history; Nature myths; Vampires; Werwolves

*Refer from* Anatomy, Comparative; Animal mechanics; Flight; Locomotion; Motion; Movements of animals (s)

*Refer from* Animal mythology (s); Animals — Folklore (s); Animals — Legends (s); Animals, Mythical; Animals — Stories; Animals in folklore (s); Bestiaries; Dragons; Fables; Folklore; Folklore of animals (s); Imaginary animals (s); Legends; Nature myths; Zoological mythology (s)

**Animal magnetism**

*See also* Clairvoyance; Hypnotism; Suggestion

*Refer from* Biomagnetism (s); Clairvoyance; Hypnotism; Magnetism; Mental healing; Mesmerism (s); Psychical research; Suggestion

**Animal mechanics**

*See also* Anatomy, Comparative; Animal locomotion; Flight  
Animal mythology *see* Animal lore; Animals, Mythical

Animal oils *see* Oils and fats

**Animal painting and illustration**

*Refer from* Anatomy, Comparative; Animal locomotion; Flight; Mechanics

*Refer from* Anatomy, Artistic; Animal drawing (s); Art; Drawing; Painting

Animal parasites *see* Parasites

Animal photography *see* Photography — Animals

Animal pictures *see* Animals — Pictures

**Animal products**

*See also* Bone products; Chemistry, Technical; Commercial products; Dairy products; Eggs; Feathers; Fur; Gelatin; Glue; Hides and skins; Ivory; Leather; Meat; Oils and fats; Silk; Wool

Animal psychology *see* Animal intelligence; Psychology, Comparative

Animal speech *see* Animals — Language

Animal stories *see* Animals — Stories

**Animal worship**

*See also* Serpent worship; Totems and totemism

*Refer from* Bone products; Chemistry, Technical; Commercial products; Zoology, Economic

*Refer from* Animal lore; Animals, Worship of (s); Mythology; Nature worship; Totems and totemism; Worship

**Animalcules**

*See also* Infusoria; Microscope and microscopy; Protozoa

**Animals [for descriptive and non-systematic material]**

*See also* Birds; Color of animals; Domestic animals; Hunting; Insects; Instinct; Menageries; Mimicry (biology); Natural history; Nature study; Pets; Play; Taxidermy; Vivariums; Zoological gardens; Zoology, and references under that subject; *also* headings beginning Animal, and names of animals

—Behavior, *see* Animals — Habits and behavior

—Breeding, *see* Breeding

—Coloration, *see* Color of animals

—Cruelty to, *see* Animals — Treatment

**—Diseases**

*See also* Cattle — Diseases; Domestic animals; Parasites; Tuberculosis in animals; Veterinary medicine

—Domestic, *see* Domestic animals

*Refer from* Diseases of Animals (s); Veterinary medicine





**Animals**—Continued

—Experiments on, *see* Animal experimentation

—**Extinct**

*See also* Paleontology

—Fictitious, *see* Animals, Mythical

—Folklore, *see* Animal lore

—Fossil, *see* Paleontology

—Geographic distribution, *see* Geographical distribution of animals and plants

—**Habitations**

*See also* Nests

—**Habits and behavior**

*See also* Animal intelligence; Animals — Stories; Hibernation; Instinct; Irritability; Mimicry (biology); Nature study; Orientation; *also* names of animals

—Imaginary, *see* Animals, Mythical

—Irritability, *see* Irritability

—**Language**

—Legends, *see* Animal lore; Animals — Stories

—**Migration**

*See also* Birds — Migration; Geographical distribution of animals and plants

—**Mythical**

*See also* Animal lore; Dragons; Sea serpents; Vampires; Werwolves

—Orientation, *see* Orientation

—Photography, *see* Photography — Animals

—**Pictures**

*See also* Photography — Animals

—Protection, *see* Animals — Treatment; Game laws; Game protection

—**Stories**

*See also* Animal intelligence; Animal lore; Animals — Habits and behavior; Fables; Nature study; *also* names of animals, e.g. Birds — Stories; Dogs — Stories

—**Training**

*See also* Domestication; Horse training

—**Transportation**

—**Treatment**

*See also* Animal experimentation; Animals — Transportation; Checkreins; Humane societies; Vivisection

—Useful and harmful, *see* Domestic animals; Zoology, Economic

—Worship of, *see* Animal worship

*Refer from* Extinct animals (s); Paleontology

*Refer from* Animal dwellings (s); Animal homes (s); Habitations of animals (s); Nests

*Refer from* Animal behavior (s); Animal intelligence; Animals — Behavior (s); Animals — Stories; Habits of animals (s); Hibernation; Instinct; Mimicry (biology); Nature study

*Refer from* Animal speech (s); Language of animals (s); Speech; Speech of animals (s)

*Refer from* Birds — Migration; Geographical distribution of animals and plants; Migration of animals (s)

*Refer from* Animal lore; Animal mythology (s); Animals, Fictitious (s); Animals, Imaginary (s); Dragons; Imaginary animals (s); Mythical animals (s); Mythology; Sea serpents; Vampires; Werwolves; Zoological mythology (s)

*Refer from* Animal pictures (s); Pictures

*Refer from* Animal lore; Animal stories (s); Animals — Habits and behavior; Animals — Legends (s); Nature study

*Refer from* Animals in captivity (s); Circus; Domestication; Training

*Refer from* Animals — Treatment; Cattle — Transportation (s); Live stock — Transportation (s); Transportation; Transportation of animals (s)

*Refer from* Animals, Cruelty to (s); Animals — Protection (s); Brutes (s); Cruelty; Domestic animals; Ethics; Humane societies; Kindness to animals (s); Prevention of cruelty to animals (s); Treatment of animals (s)







Animals in captivity *see* Animals — Training;  
Menageries; Zoological gardens  
Animals in folklore *see* Animal lore

**Animals in poetry**

Animation, Suspended, *see* Suspended anima-  
tion

Animatograph *see* Moving pictures

**Animism**

*See also* Fetishism; Idealism; Material-  
ism; Serpent worship; Soul; Spiritualism;  
Transmigration; Tree worship

Annals *see* Chronology, Historical; History

**Annealing**

*See also* Glass; Iron; Steel

Annexations *see* names of countries and cities,  
subhead Annexations

**Annihilation**

*See also* Future life

**Anniversaries**

*See also* Birthdays; Holidays; Wedding  
anniversaries

Annals [enter here only the old-fashioned gift  
books]

*See also* Almanacs; Yearbooks

**Annals (plants)**

*See also* Botany; Floriculture

**Annuities**

*See also* Insurance, Life; Pensions

Anointing *see* Unction

**Anonyms**

*See also* Pseudonyms

Ant *see* Ants

Antarctic expeditions *see* Antarctic regions

**Antarctic regions**

*See also* Scientific expeditions; South pole;  
Voyages and travels

Ante-Nicene fathers *see* Fathers of the church

**Anthems**

*See also* Chants; Church music; Hymns

Anthologies *see* Poetry — Collections; *also*,  
e.g., English poetry — Collections

Anthracite coal *see* Coal

**Anthracite coal strike, 1902**

**Anthropogeography**

*See also* Acclimatization; Environment;  
Migration of nations

**Anthropology**

*See also* Anthropogeography; Anthro-  
pometry; Archaeology; Cave dwellers; Civil-  
ization; Cliff dwellers and cliff dwellings;  
Color of man; Crime and criminals; Degen-  
eration; Environment; Ethnology; Eth-  
nopsychology; Eugenics; Evolution; Lake  
dwellers and lake dwellings; Language;

*Refer from* Poetry; Poetry of animals (s)

*Refer from* Fetishism; Folklore; Life;  
Materialism; Soul; Tree worship

*Refer from* Glass; Iron; Metals; Pottery;  
Steel

*Refer from* Future life; Theology

*Refer from* Birthdays; Celebrations (s);  
Holidays

*Refer from* Yearbooks

*Refer from* Botany; Floriculture; Plants

*Refer from* Insurance, Life; Investments;  
Pensions; Probabilities

*Refer from* Authors; Bibliography; Pseudo-  
nyms

*Refer from* Antarctic expeditions (s); Arctic  
regions; Discoveries and explorations; Earth;  
Geography; Polar regions (s); Scientific expe-  
ditions; South pole; Voyages and travels

*Refer from* Chants; Choruses and part songs;  
Church music; Music; Songs

*Refer from* Coal mines and mining; Labor  
and laboring classes — Pennsylvania; Strikes  
and lockouts

*Refer from* Acclimatization; Anthropology;  
Commercial geography; Environment; Eth-  
nology; Geographical distribution of men (s);  
Geography; Geography, Social (s); History;  
Immigration and emigration; Man; Migration  
of nations

*Refer from* Archaeology; Civilization; Eth-  
nology; Evolution; History; Human race (s);  
Man; Man — Natural history (s); Migration  
of nations; Natural history; Race characteris-  
tics (s); Science; Sociology



Man; Manners and customs; Migration of nations; Skeleton; Society, Primitive; Sociology; Tribes and tribal system; Women; *also* names of races, tribes, etc.

**Anthropometry**

*See also* Bertillon system; Finger prints; Identification; Psychometry

*Refer from* Anatomy; Anthropology; Bertillon system; Crime and criminals; Ethnology; Human body (s); Identification; Man; School children

Anthropophagy *see* Cannibalism

**Antichrist**

Anti-corrosive paint *see* Corrosion and anti-corrosives

Antidotes *see* Poisons; *also* names of poisons

Anti-imperialism *see* Imperialism

Anti-masonry *see* Freemasons

**Antinomianism**

*Refer from* Jesus Christ; Theology

**Antiquarian societies**

*See also* Historical societies

Antiquarians *see* Archaeologists

**Antiques**

*Refer from* Calvinism; Congregationalism; Massachusetts — Religious history; Mosaic law; Theology

*Refer from* Archaeology; Historical societies; Societies

*Refer from* Art; Collectors and collecting; Furniture

*Refer from* Art forgeries; Counterfeits; Forgeries (s); Forgery of antiques (s); Fraud; Imposture; Swindlers and swindling

—**Forged**

*See also* Art forgeries

Antiquities *see* Archaeology; *also* names of countries, cities, etc., subhead Antiquities

Antiquity of man *see* Man — Origin and antiquity

Anti-reformation *see* Counter-reformation

Anti-Semitism *see* Jews — Political and social conditions

**Antiseptics**

*See also* Disinfection and disinfectants; Putrefaction

*Refer from* Disinfection and disinfectants; Medicine; Putrefaction; Surgery; Therapeutics

Antislavery *see* Slavery

**Antitoxins**

*See also* Immunity; Serum therapy

*Refer from* Diphtheria; Drugs; Immunity; Physiological chemistry; Poisons; Serum therapy; Tetanus; Therapeutics; Toxins

Antlers *see* Horns

Antonyms *see* Synonyms and antonyms

**Ants**

*See also* Hymenoptera

Anxiety *see* Fear; Worry

**Apache Indians**

**Apartment houses**

*See also* Lodging houses; Tenement houses

*Refer from* Ant (s); Hymenoptera

*Refer from* Indians

*Refer from* Architecture, Domestic; Flats (s); Home economics; Hotels; Housing problem; Landlord and tenant; Tenement houses

Ape *see* Apes

**Apes**

*See also* Gorillas; Monkeys; Primates

*Refer from* Ape (s); Gorillas; Monkeys; Primates

*Refer from* Brain; Mental diseases; Speech

**Aphasia**

Aphididae *see* Plant lice

Aphorisms *see* Epigrams; Maxims; Proverbs;

Quotations; Table-talk

Apiaries *see* Bees

Apiculture *see* Bees





**Apocalypse** *see* Bible — New Testament — Revelation

**Apocalyptic literature**

*See also* Bible — New Testament — Revelation; Revelation

**Apocrypha** *see* Bible — Old Testament — Apocrypha

**Apocryphal books (New Testament)** *see* Bible — New Testament — Apocryphal books

**Apologetics** *see* Christianity — Evidences

**Apoplexy**

*Refer from* Bible — New Testament — Revelation; Prophecies; Revelation

*Refer from* Brain; Cerebral hemorrhage (s); Medicine — Practice; Paralysis

**Apostles**

*See also* Bible — New Testament; Church history — Early church — Apostolic; Saints

*Refer from* Bible; Bible — New Testament; Christian biography; Christianity; Church history — Early church — Apostolic; Evangelists (s); Jesus Christ; Saints; Theology

*Refer from* Catholic church — Catechisms and creeds; Church of England — Catechisms and creeds; Creeds

**Apostles' creed**

**Apostolic canons**

*See also* Apostolic constitutions

*Refer from* Apostolic constitutions; Canons, Apostolic (s); Church law; Fathers of the church; Theology

**Apostolic church** *see* Church history — Early church — Apostolic

**Apostolic constitutions**

*See also* Apostolic canons

*Refer from* Apostolic canons; Bible — New Testament — Apocryphal books; Church law; Constitutions, Apostolic (s); Fathers of the church; Theology

**Apostolic fathers**

*See also* Church history — Early church — Apostolic; Fathers of the church

*Refer from* Christian biography; Church history — Early church — Apostolic; Fathers of the church

**Apostolic succession**

*See also* Bishops; Catholic church — Clergy; Church of England — Clergy; Episcopacy; Popes

*Refer from* Bishops; Catholic church; Catholic church — Clergy; Church history; Church of England; Church of England — Clergy; Church polity; Episcopacy; Popes; Protestant Episcopal church in the U. S.; Theology

**Apothecaries** *see* Pharmacists

**Apothegms** *see* Epigrams; Maxims; Proverbs; Quotations; Table-talk

**Apparatus** *see* Instruments

**Apparitions**

*See also* Demonology; Ghosts; Illusions and hallucinations; Psychical research; Spiritualism

*Refer from* Demonology; Dreams; Ghosts; Illusions and hallucinations; Phantoms (s); Psychical research; Psychology; Specters (s); Spectres (s); Spirits (s); Spiritualism; Supernatural; Superstition; Visions (s)

*Refer from* Courts; Law; Pleading and practice

*Refer from* Intestines; Medicine — Practice; Surgery

**Appeal**

**Appendicitis**

**Apperception**

*See also* Attention; Knowledge; Perception; Psychology; Psychology, Educational

*Refer from* Knowledge; Perception; Psychology, Educational

**Apple**

*See also* Cider; Fruit

*Refer from* Apples (s); Fruit

**Apples** *see* Apple

**Applied mechanics** *see* Mechanical engineering; Mechanics, Applied

**Applied science** *see* Technology



Appraisal of books *see* Book reviews; Books and reading; Books and reading — Best books; Criticism; Literature — History and criticism

**Appraising**

*See also* Administrators and executors; Arbitration and award; Damages; Eminent domain; Insurance; Taxation

Appreciation of art *see* Art — Appreciation

Appreciation of music *see* Music — Appreciation

**Apprentices**

**April fools' day**

**Aquariums**

*See also* Fresh-water fauna; Water gardens

Aquatic animals *see* Fresh-water fauna; Marine zoology

Aquatic birds *see* Water birds

Aquatic gardening *see* Water gardens

Aquatic insects *see* Insects, Aquatic

Aquatic life *see* Fresh-water life; Marine biology

**Aquatic plants**

*See also* Algæ; Fresh-water life; Marine biology; Water gardens

**Aquatic sports**

*See also* Boats and boating; Canoes and canoeing; Fishing; Rowing; Sailing; Sports; Swimming; Yachts and yachting

**Aqueducts**

*See also* Civil engineering

**Arabesques**

*See also* Decoration and ornament

**Arabic language**

*See also* Inscriptions, Arabic; Manuscripts, Arabic; Semitic languages

**Arabic literature**

*See also* Arabic poetry; Oriental literature

Arabic numerals *see* Numerals

**Arabic poetry**

*See also* Arabic literature

**Arabs**

*See also* Algeria; Arabia; Bedouins; Mohammedanism; Moors; Saracens; Semitic race

Arabs in Spain *see* Moors in Spain

**Arachnida**

*See also* Arthropoda; Spiders

Arbitrage *(see)* Stock exchange

Arbitration, Industrial, *see* Arbitration and conciliation, Industrial

**Arbitration, International**

*See also* Disarmament; International law; Peace; War

*Refer from* Arbitration and award; Damages; Law; Property; Taxation

*Refer from* Boys; Child labor; Economics; Indentured servants; Industrial education; Labor and laboring classes; Master and servant; Technical education

*Refer from* All fools' day (s); Days; Manners and customs

*Refer from* Fish; Fresh-water fauna; Marine zoology; Natural history; Vivariums; Water gardens; Zoology

*Refer from* Algae; Botany; Fresh-water flora (s); Fresh-water life; Marine biology; Marine botany (s); Marine flora (s); Marine plants (s); Plants; Aquatic (s); Sea plants (s); Water gardens; Water plants (s)

*Refer from* Boats and boating; Rowing; Sailing; Sports; Swimming; Water sports (s); Yachts and yachting

*Refer from* Canals; Civil engineering; Conduits (s); Engineering; Hydraulic engineering; Water supply

*Refer from* Decoration and ornament

*Refer from* Semitic languages

*Refer from* Arabic poetry; Oriental literature; Turkish literature

*Refer from* Arabic literature

*Refer from* Algeria; Arabia; Bedouins; Mohammedanism; Moors; Saracens; Semitic race

*Refer from* Arthropoda; Spiders

*Refer from* Arbitration and award; Disarmament; International arbitration (s); International law; International relations; Peace; Treaties; War



**Arbitration and award**

*See also* Arbitration, International; Appraising; Damages; Eminent domain

**Arbitration and conciliation, Industrial**

*See also* Labor and capital; Labor exchanges; Strikes and lockouts; Trade agreements

*Refer from* Appraising; Awards (s); Damages; Law

*Refer from* Arbitration, Industrial (s); Commercial law; Conciliation, Industrial (s); Industrial arbitration (s); Industrial conciliation (s); Labor and capital; Labor and laboring classes; Labor unions; Strikes and lockouts; Trade agreements

**Arbor day**

*See also* Tree planting

Arboriculture *see* Forests and forestry; Fruit culture; Tree planting; Trees

Arc, Electric, *see* Electric arc

Arc lamps *see* Electric lamps

Arc light *see* Electric lighting; *also* Electric arc

**Arcades**

Arch *see* Arches

Archaeal period *see* Geology, Stratigraphic — Archaeal

**Archaeologists**

*See also* Historians

*Refer from* Forests and forestry; Holidays; Tree planting; Trees

*Refer from* Architecture

*Refer from* Antiquarians (s); Biography; Historians

**Archaeology**

*See also* Amulets; Anthropology; Antiquarian societies; Architecture, Ancient; Arms and armor; Arrowheads; Art, Ancient; Art, Primitive; Baths and bathing; Bells; Bible — Antiquities; Brasses; Bronze age; Bronzes; Burial; Castles; Catacombs; Cave dwellers; Caves; Cemeteries; Chariots; Christian antiquities; Christian art and symbolism; Civilization; Classical antiquities; Cliff dwellers and cliff dwellings; Copper age; Costume; Cromlechs; Cross; Earthworks (archaeology); Epitaphs; Ethnology; Folklore; Funeral rites and ceremonies; Gems; Heraldry; History; History, Ancient; Indians — Antiquities; Industries, Primitive; Inscriptions; Iron age; Kitchen middens; Lake dwellers and lake dwellings; Man — Origin and antiquity; Manners and customs; Medals; Middle ages; Monuments; Mounds and mound builders; Mummies; Mythology; Numismatics; Obelisks; Painting; Picture writing; Pottery; Pyramids; Round towers; Sculpture; Seals (numismatics); Stone age; Stone implements; Sundials; Temples; Tombs; *also* names of countries, cities, etc., subhead Antiquities

*Refer from* Anthropology; Antiquities (s); Architecture; Architecture, Ancient; Art; Art, Ancient; Art, Primitive; Bronze age; Cave dwellers; Civilization; Classical antiquities; Cliff dwellers and cliff dwellings; Copper age; Earthworks (archaeology); Ethnology; Excavations (s); History; History, Ancient; Industries, Primitive; Iron age; Lake dwellers and lake dwellings; Man; Man — Origin and antiquity; Manners and customs; Monuments; Mythology; Prehistoric archaeology (s); Ruins (s); Stone age

**Archbishops**

*See also* Bishops; Catholic church — Clergy; Church of England — Clergy

*Refer from* Bishops; Catholic church — Biography; Catholic church — Clergy; Christian biography; Church of England — Biography; Church of England — Clergy; Episcopacy

Archegony *see* Spontaneous generation

**Archery**

*See also* Bow and arrow

*Refer from* Bow and arrow; Military art and science; Shooting; Sports



**Arches**

*See also* Arches of triumph; Architecture; Bridges; Building; Culverts; Strains and stresses; Vaulting

**Arches of triumph****Architects**

Architectural acoustics *see* Acoustics of buildings

**Architectural design**

*See also* Architectural drawing

Architectural details *see* Architecture — Details

**Architectural drawing**

*See also* Architectural design; Architecture — Details; Blue prints; Mechanical drawing

Architectural gardening *see* Landscape gardening

**Architecture**

*See also* Acoustics of buildings; Amphitheaters; Arcades; Archaeology; Arches; Arches of triumph; Architects; Architectural design; Architectural drawing; Art; Barns and stables; Basilicas; Baths, Public; Bridges; Building; Building materials; Carpentry; Castles; Cathedrals; Ceilings; Chimneys; Christian art and symbolism; Church architecture; Columns; Concrete construction; Cornices; Decoration and ornament; Domes; Doors; Factories; Farm buildings; Fences; Fireplaces; Fireproof construction; Floors; Foundations; Fountains; Gables; Garages; Gates; Grain elevators; Greenhouses; Grilles; Heating; High buildings; Hospitals; Hotels; House painting; Library architecture; Machine shops; Masonry; Metal work; Military architecture; Mills and millwork; Moldings; Mosques; Municipal art; Municipal centers; Mural painting and decoration; Obelisks; Orders of architecture; Orientation (architecture); Packing houses; Palaces; Pergolas; Plumbing; Portable buildings; Proportion (art); Public buildings; Pyramids; Railings; Railroads — Buildings; Railroads — Stations; Roofs; Sanitary engineering; Schoolhouses; Secret chambers; Spires; Stair building; Steel construction; Strains and stresses; Strength of materials; Temples; Theaters; Tombs; Towers; Trusses; Vaulting; Vaults; Ventilation; Walls; Warehouses; Windows; Woodwork; *also* names of cities, subhead Architecture

**—Ancient**

*See also* Archaeology; Architecture, Greek; Cliff dwellers and cliff dwellings; Lake dwellers and lake dwellings; Pyramids; Temples

**—Colonial**

*See also* Architecture, American; *also* names of states and cities, subhead Historic houses, etc.

*Refer from* Arch (s); Architecture; Bridges; Building; Civil engineering; Engineering; Masonry; Roofs; Strains and stresses; Vaulting

*Refer from* Arches; Architecture; Monuments; Triumphal arches (s)

*Refer from* Architecture; Artists; Biography

*Refer from* Architectural drawing; Architecture; Decoration and ornament; Design, Architectural (s); Design, Decorative

*Refer from* Architectural design; Architecture; Drawing; House plans (s); Mechanical drawing; Plans (architecture) (s)

*Refer from* Acoustics of buildings; Amphitheaters; Arches; Art; Basilicas; Building; Castles; Church architecture; Columns; Construction (s); Cornices; Decoration and ornament; Domes; Doors; Engineering; Industrial arts; Moldings; Palaces; Pergolas; Roofs; Strength of materials; Towers; Vaulting; Windows

*Refer from* Archaeology; Art, Ancient

*Refer from* Architecture, American; Colonial architecture (s); Colonial life and customs





**Architecture**—Continued

—**Details**

—**Domestic**

*See also* Apartment houses; Bungalows; Cottages; Country houses; Farm buildings; Fireplaces; Heating; House decoration; House painting; Housing problem; Log cabins; Plumbing; Tenement houses

—**Ecclesiastical**, *see* Church architecture

—**Gothic**

*See also* Cathedrals; Church architecture

—**Greek**

*See also* Orders of architecture; Temples

—**Medieval**

*See also* Castles; Cathedrals, and other references under Architecture

—**Military**, *see* Fortification; Military architecture

—**Mohammedan**

*See also* Alhambra; Mosques

—**Moorish**, *see* Architecture, Mohammedan

—**Naval**, *see* Shipbuilding

—**Oriental**

*See also* Architecture, Mohammedan; Mosques; Taj Mahal; Temples

—**Renaissance**

*See also* Art, Renaissance

—**Rural**, *see* Architecture, Domestic; Bungalows; Cottages; Country houses; Farm buildings

**Archives**

*See also* Charters; Manuscripts; Paleography; Vital records; *also* names of countries, subhead Archives

Arctic expeditions *see* Arctic regions

Arctic flora *see* Botany — Arctic regions

**Arctic regions**

*See also* Antarctic regions; Eskimos; Icebergs; North pole; Northeast passage; Northwest passage; Scientific expeditions; Voyages and travels; *also* names of exploring expeditions

Areometer *see* Hydrometer

**Argon**

**Argonauts**

*See also* Mythology, Classical

Argot *see* Slang

Argument *see* Debating; Logic

**Arianism**

*See also* Church history — Early church; Jesus Christ — Divinity; Socinianism; Trinity; Unitarianism

Arid farming *see* Dry farming

*Refer from* Architectural details (s); Architectural drawing; Details, Architectural (s)

*Refer from* Architecture, Rural (s); Cottages; Country houses; Domestic architecture (s); Dwellings (s); Farm buildings; Farm houses (s); Fireplaces; Habitations, Human (s); House plans (s); Houses (s); Plans (architecture) (s); Residences (s); Rural architecture (s); Suburban houses (s); Summer cottages (s); Tenement houses; Villas (s)

*Refer from* Cathedrals; Christian antiquities; Church architecture; Gothic architecture (s); Pointed architecture (s)

*Refer from* Architecture, Ancient; Greek architecture (s); Orders of architecture

*Refer from* Medieval architecture (s); Middle ages — Architecture (s)

*Refer from* Architecture, Moorish (s); Architecture, Oriental; Mohammedan architecture (s); Moorish architecture (s); Mosques

*Refer from* Mosques; Oriental architecture (s); Temples

*Refer from* Art, Renaissance; Renaissance; Renaissance architecture (s)

*Refer from* Bibliography; Charters; Documents (s); History — Sources; Manuscripts; Public records (s); Records, Public (s)

*Refer from* Arctic expeditions (s); Discoveries and explorations; Earth; Eskimos; Geography; Ice; Icebergs; North pole; Northeast passage; Northwest passage; Polar regions (s); Scientific expeditions; Voyages and travels

*Refer from* Air; Chemical elements; Gases

*Refer from* Golden fleece (s); Mythology, Classical

*Refer from* Church history — Early church; Humanitarianism (theology) (s); Jesus Christ — Divinity; Socinianism; Trinity; Unitarianism



**Aristocracy**

*See also* Democracy; Government; Oligarchy; Peerage

**Arithmetic**

*See also* Calculating machines; Decimal system; Interest; Mathematical instruments; Mathematics; Mensuration; Metric system; Notation (mathematics), Numbers; Numerals; Ready-reckoners

**—Commercial**

*See also* Accounting; Bookkeeping; Calculating machines; Interest; Ready-reckoners

Arithmetical instruments *see* Mathematical instruments

**Arm**

*See also* Anatomy; Artificial limbs

**Armada, 1588**

*See also* England — History — Elizabethan period; England — History, Naval; Spain — History — 1479-1700; Spain — History, Naval

Armaments *see* Armies; Disarmament; Navies; *also* names of countries, subheads Army and Navy

**Armatures**

*See also* Commutators; Dynamos; Electromagnets

**Armenian language**

*See also* Aryan languages; Oriental languages

**Armies**

*See also* Army life; Disarmament; Mercenary troops; Militarism; Military art and science; Military hygiene; Military maneuvers; Military service; Militia; Navies; Recruiting and enlistment; Soldiers; War; *also* names of countries, subhead Army

**Arminianism**

Armor *see* Arms and armor

**Armor plate**

*See also* Armored vessels; Coast defense; Nickel steel

Armored concrete *see* Concrete, Reinforced

**Armored vessels**

*See also* Armor plate; Navies; Warships

**Armories**

*See also* Arsenal; Military architecture

Arms (anatomy) *see* Arm

Arms, Coats of, *see* Heraldry

**Arms and armor**

*See also* Artillery; Bayonets; Boomerangs; Bow and arrow; Firearms; Guns; Helmets; Indians — Implements and weapons; Ordnance; Pistols; Rifles; Swords; Throwing sticks

Army *see* Armies; Military art and science;

*also* names of countries, subhead Army

Army canteens *see* Canteens (army)

*Refer from* Constitutional history; Democracy; Equality; Government; Nobility (s); Peerage

*Refer from* Interest; Mathematics; Mental arithmetic (s); Numbers; Oral arithmetic (s); Weights and measures

*Refer from* Accounting; Business arithmetic (s); Cambistry (s); Commercial arithmetic (s)

*Refer from* Anatomy; Arms (anatomy) (s)

*Refer from* England — History — Elizabethan period; England — History, Naval; Naval battles; Spain — History — 1479-1700; Spain — History, Naval; Spanish armada (s)

*Refer from* Dynamos; Electric apparatus and appliances; Electric armatures (s); Electric engineering; Electric motors; Electricity; Electromagnets

*Refer from* Aryan languages; Oriental languages

*Refer from* Armaments (s); Army (s); Disarmament; Militarism; Military art and science; Military power (s); Navies; Soldiers; Standing army (s); War

*Refer from* Calvinism; Predestination; Theology

*Refer from* Armored vessels; Coast defense; Naval art and science; Nickel steel; Steel; Warships

*Refer from* Armor plate; Iron-clad vessels (s); Ironclads (s); Naval art and science; Navies; Shipbuilding; Ships; Warships

*Refer from* Arsenal; Military architecture

*Refer from* Archaeology; Armor (s); Bayonets; Costume, Military (s); Firearms; Heraldry; Military art and science; Military costume (s); Swords; Weapons (s)



**Army life**

*See also* Military service; Soldiers

**Army of the Cumberland**

*See also* U. S. — History — Civil war

**Army of the Potomac**

*See also* Peninsular campaign, 1862; U. S. — History — Civil war

Aromatic plant products *see* Essences and essential oils

**Arrest**

*See also* Bail; Constables; Extradition; Habeas corpus; Sheriffs

Arrow-heads *see* Arrowheads

**Arrowheads**

*See also* Bow and arrow; Indians — Antiquities

Arrows *see* Bow and arrow

**Arsenals**

*See also* Armories; Military architecture; also names of cities, subhead Arsenals

**Arsenic****Art**

*See also* Anatomy, Artistic; Animal painting and illustration; Antiques; Archaeology; Architecture; Art and morals; Art forgeries; Art in literature; Art societies; Artists; Arts and crafts, and references under that subject; Brasses; Bric-a-brac; Bronzes; Caricature and cartoons; Carving (art industries); Children in literature and art; Christian art and symbolism; Classicism; Collectors and collecting; Composition (art); Costume; Decoration and ornament; Design, Decorative; Drawing; Engraving; Esthetics; Etching; Frescoes; Gems; Glyptics; House decoration; Idealism in art; Illustration of books; Impressionism (art); Indians — Art; Industrial arts; Landscape gardening; Lithography; Madonnas; Miniature painting; Mosaics; Municipal art; Mural painting and decoration; Music; Naturalism in art; Nude in art; Numismatics; Painting; Pastel; Photography; Pictures; Portraits; Posters; Preraphaelitism; Proportion (art); Realism in art; Sculpture; Silhouettes; Stained glass; Symbolism; Women in literature and art; also names of cities, subhead Art

**—American**

*See also* Architecture, American; Painting, American; Sculpture, American

**—Ancient**

*See also* Archaeology; Architecture, Ancient; Art, Primitive; Classical antiquities; also Art, Greek; Art, Roman; etc.

**—Appreciation**

*See also* Art — Criticism; Art — Study and teaching; Esthetics

*Refer from* Armies; Military life (s); Soldiers; U. S. — Army

*Refer from* Cumberland, Army of the (s); U. S. — History — Civil war; U. S. — History — Civil war — Campaigns and battles; U. S. — History — Civil war — Regimental histories

*Refer from* Peninsular campaign, 1862; Potomac, Army of the (s); U. S. — History — Civil war; U. S. — History — Civil war — Campaigns and battles; U. S. — History — Civil war — Regimental histories

*Refer from* Bail; Constables; Criminal law; Imprisonment (s); Sheriffs

*Refer from* Archaeology; Arrow-heads (s); Bow and arrow; Indians — Antiquities

*Refer from* Armories; Firearms; Military architecture; Ordnance

*Refer from* Chemical elements; Poisons

*Refer from* Architecture; Arts, Fine (s); Arts and crafts; Christian art and symbolism; Civilization; Composition (art); Decoration and ornament; Design, Decorative; Esthetics; Fine arts (s); Graphic arts (s); Iconography (s); Painting; Sculpture

*Refer from* American art (s); U. S. — Art (s); U. S. — Fine arts (s)

*Refer from* Ancient art (s); Archaeology

*Refer from* Appreciation of art (s); Art — Criticism; Art — Study and teaching; Esthetics



**Art**—Continued

—Christian, *see* Christian art and symbolism

—**Criticism**

*See also* Art — Appreciation; Esthetics

—Decorative, *see* Arts and crafts; Decoration and ornament; Design, Decorative

—Education, *see* Art — Study and teaching

—**Exhibitions**

*See also* Art — Galleries and museums

—**Galleries and museums**

*See also* Art — Exhibitions; Paintings; also names of galleries, e.g. Louvre, Versailles (palace); and names of cities, sub-head Galleries and museums

—**Medieval**

—Municipal, *see* Municipal art

—**Primitive**

*See also* Archæology; Indians — Art

—**Renaissance**

*See also* Architecture, Renaissance; Renaissance

—**Study and teaching**

*See also* Art — Appreciation

Art anatomy *see* Anatomy, Artistic

**Art and morals**

*See also* Nude in art

Art criticism *see* Art — Criticism

Art education *see* Art — Study and teaching

**Art forgeries**

*See also* Antiques, Forged

Art galleries *see* Art — Galleries and museums

Art glass *see* Glass, Ornamental

**Art in literature**

Art in the schoolroom *see* Art — Study and teaching; School decoration

Art industries *see* Arts and crafts; Industrial arts

Art museums *see* Art — Galleries and museums

**Art societies**

**Arteries**

*See also* Blood; Blood vessels; Veins

**Artesian wells**

*See also* Boring; Wells

**Arthropoda**

*See also* Arachnida; Crustacea; Insects; Invertebrates; Myriapoda

**Arthurian romances**

*See also* Grail

Articles, Thirty-nine, *see* Church of England

— Articles of religion

Articulations *see* Joints

**Artificial flowers**

*See also* Glass flowers; Paper flowers; Wax flowers

*Refer from* Art — Appreciation; Art criticism (s); Criticism; Esthetics

*Refer from* Art — Galleries and museums; Exhibitions; Paintings; Pictures

*Refer from* Art—Exhibitions; Art galleries(s); Art museums (s); Exhibitions; Galleries (art) (s); Museums; Paintings; Pictures

*Refer from* Medieval art (s); Middle ages — Art (s)

*Refer from* Archaeology; Art, Ancient; Ethnology; Primitive art (s)

*Refer from* Architecture, Renaissance; Renaissance; Renaissance art (s)

*Refer from* Art — Appreciation; Art — Education (s); Art education (s); Art in the schoolroom (s)

*Refer from* Art; Ethics; Nude in art

*Refer from* Antiques, Forged; Art; Counterfeits; Forgeries (s); Forgery; Forgery of works of art (s); Fraud; Imposture; Paintings; Pictures; Swindlers and swindling

*Refer from* Art; Literature

*Refer from* Art; Artists; Societies

*Refer from* Blood; Blood vessels; Vascular system; Veins

*Refer from* Boring; Hydraulic engineering; Water supply; Wells

*Refer from* Arachnida; Crustacea; Insects; Invertebrates; Myriapoda

*Refer from* Chivalry; Grail; Legends; Middle ages — Literature; Romances; Round Table (s)

*Refer from* Fancy work; Flowers; Flowers, Artificial (s); Millinery





Artificial ice *see* Ice — Manufacture  
Artificial language *see* Language, Artificial

**Artificial limbs**

Artificial stone *see* Stone, Artificial

**Artillery**

*See also* Artillery drill and tactics; Gunnery; Military art and science; Naval guns; Ordnance; Projectiles; *also* under country, e.g. U. S. — Army — Artillery. For volunteer regiments in the U. S. *see* under name of state, e.g. New York artillery

**Artillery drill and tactics**

*See also* Gunnery; Tactics; Target practice

Artistic anatomy *see* Anatomy, Artistic

**Artists**

*See also* Architects; Art societies; Bohemianism; Engravers; Illustrators; Musicians; Painters; Sculptors; Women as artists

**Artists' marks**

Arts, Fine, *see* Art

Arts, Useful, *see* Industrial arts

**Arts and crafts**

*See also* Art; Basketwork; Beadwork; Bookbinding; Carving (art industries); China painting; Coppersmithing; Decoration and ornament; Design, Decorative; Domestic arts; Embroidery; Enamel; Furniture; Gesso; Glass; Goldsmithing; Handicraft; Illumination of manuscripts and books; Industrial arts; Inlay; Ironwork; Jewelry; Lace; Lacquer; Leather work; Manual training; Metal work; Modeling; Mosaics; Needlework; Pewter; Pottery; Pyrography; Repoussé work; Rugs; Shellwork; Silversmithing; Stencil work; Tapestry; Weaving; Wood carving

Aryan civilization *see* Civilization, Aryan

**Aryan languages**

*See also* Armenian language; Celtic languages; Germanic languages; Greek language; Indo-Aryan languages; Iranian languages; Latin language; Romance languages; Slavic languages

**Aryans**

*See also* Caucasian race; Celts; Civilization, Aryan; Hindus; Latin races; Slavs; Teutonic race

**Asbestos**

*See also* Geology, Economic

Ascension of Jesus Christ *see* Jesus Christ — Resurrection and ascension

**Asceticism**

*See also* Fasting; Hermits; Monasticism

**Ash Wednesday**

*See also* Lent

Asiatic cholera *see* Cholera, Asiatic

*Refer from* Arm; Leg

*Refer from* Arms and armor; Batteries (military) (s); Coast artillery (s); Coast defense; Field artillery (s); Firearms; Gunnery; Guns; Military art and science; Ordnance

*Refer from* Artillery; Drill (military); Gunnery; Military art and science; Tactics

*Refer from* Art; Biography; Engravers; Painters; Sculptors

*Refer from* Initials; Marks, Artists' (s); Monograms

*Refer from* Art; Art, Decorative (s); Art industries (s); Carving (art industries); China painting; Coppersmithing; Crafts (s); Decoration and ornament; Design, Decorative; Domestic arts; Enamel; Gesso; Goldsmithing; Handicraft; Illumination of manuscripts and books; Industrial arts; Inlay; Ironwork; Jewelry; Leather work; Manual training; Metal work; Modeling; Mosaics; Pottery; Pyrography; Repoussé work; Silversmithing; Wood carving

*Refer from* Armenian language; Celtic languages; Germanic languages; Greek language; Indo-Aryan languages; Indo-European languages (s); Indo-Germanic languages (s); Iranian languages; Language; Latin language; Romance languages; Slavic languages

*Refer from* Caucasian race; Celts; Civilization, Aryan; Ethnology; Ethnology — Asia; Ethnology — Europe; Hindus; Indo-Europeans (s); Indo-Germanic peoples (s); Latin races; Slavs; Teutonic race

*Refer from* Fireproofing; Geology, Economic; Mineralogy

*Refer from* Church discipline; Church polity; Conduct of life; Ethics; Fanaticism; Fasting; Hermits; Monasticism

*Refer from* Christian year; Fasts and feasts; Lent

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Asiatic languages *see* Oriental languages

Asiatic literature *see* Oriental literature

**Asphalt**

*See also* Geology, Economic; Pavements

Aspiration *see* Ideals

**Assassination**

*See also* Anarchism and anarchists;

Murder

**Assault**

**Assaying**

*See also* Blowpipe; Metallurgy; Ores

**Assembly, Right of**

*See also* Liberty of speech; Public meetings

Assessment *see* Taxation

**Assignments**

*See also* Attachment; Bankruptcy; Commercial law; Liens

Assimilation *see* Absorption (physiology); Metabolism; Nutrition

Associated charities *see* Charity organization

Association *see* Cooperation

**Association of ideas**

*See also* Memory; Psychology

Associations *see* Corporations; Gilds; Labor unions; Societies

Assurance *see* Insurance

**Assyrian language**

*See also* Cuneiform writing; Semitic languages

Assyrian literature *see* Assyro-Babylonian literature

Assyriology *see* Assyria — Antiquities

**Assyro-Babylonian literature**

*See also* Cuneiform writing; Oriental literature

**Asteroids**

*See also* Astronomy

**Asthma**

*See also* Respiratory organs — Diseases

**Astigmatism**

*See also* Eye — Diseases and defects

**Astrolabe**

*See also* Astronomical instruments

**Astrology**

*See also* Occult sciences

**Astronomers**

**Astronomical instruments**

*See also* Astrolabe; Astronomical photography; Astronomy, Spherical and practical; Chronograph; Helimeter; Heliostat; Photochronograph; Sextant; Spectroscope; Telescope; Transit (instrument)

*Refer from* Bitumen (s); Commercial products; Concrete; Geology, Economic; Pavements; Pitch, Mineral (s); Streets

*Refer from* Conspiracies; Crime and criminals; Murder

*Refer from* Criminal law

*Refer from* Analysis (chemistry) (s); Blowpipe; Chemistry; Chemistry — Analysis; Metallurgy; Metals; Mineralogy; Ores; Prospecting

*Refer from* Liberty; Liberty of speech; Public meetings; Right of assembly (s)

*Refer from* Attachment; Bankruptcy; Commercial law; Contracts; Debt; Law; Trustees

*Refer from* Ideas, Association of (s); Memory; Mental association (s); Psychology

*Refer from* Cuneiform writing; Semitic languages

*Refer from* Assyrian literature (s); Babylonian literature (s); Cuneiform writing; Oriental literature

*Refer from* Astronomy; Planets; Solar system; Stars

*Refer from* Medicine — Practice; Respiratory organs — Diseases

*Refer from* Eye — Diseases and defects; Sight

*Refer from* Astronomical instruments

*Refer from* Astronomy; Divination; Fortune telling; Hermetic art (s); Horoscopes (s); Occult sciences; Omens; Planets; Stars; Superstition; Zodiac

*Refer from* Astronomy; Scientists

*Refer from* Astrolabe; Astronomy; Astronomy, Spherical and practical; Chronograph; Helimeter; Heliostat; Instruments; Optical instruments; Scientific apparatus and instruments; Sextant; Telescope; Transit (instrument)



**Astronomical mythology**

**Astronomical observatories**

**Astronomical photography**

*See also* Photochronograph

**Astronomy**

*See also* Aberration; Almanacs; Asteroids; Astrology; Astronomers; Astronomical instruments, and names of instruments; Astronomical mythology; Astronomical observatories; Astronomical photography; Astrophysics; Azimuth; Bible — Astronomy; Calendar; Chronology; Comets; Earth; Eclipses; Equinoxes; Geodesy; Geography, Mathematical; Globes; Gravitation; Latitude and longitude; Mechanics, Celestial; Meteorites; Meteoritic hypothesis; Meteors; Milky way; Moon; Nautical almanacs; Nautical astronomy; Nebulae; Nebular hypothesis; Nutation; Occultations; Orbits; Parallax; Perturbation; Planetesimal hypothesis; Planets [and their names]; Planispheres; Plurality of worlds; Satelllites; Seasons; Solar system; Space; Spectra; Spectrum analysis; Stars; Sun; Tides; Time; Transits; Universe; Zodiac; Zodiacal light

— **Atlases**

*See also* Planispheres

— **History**

— **Spherical and practical**

*See also* Aberration; Astronomical instruments; Azimuth; Eclipses; Latitude and longitude; Least squares; Nautical astronomy; Navigation; Nutation; Occultations; Parallax; Refraction; Time

**Astrophysics**

*See also* Astronomy; Spectrum analysis;

Stars; Sun

**Asylum, Right of**

*See also* Aliens

**Asylums**

*See also* Almshouses; Blind — Asylums and education; Charities; Deaf and dumb — Asylums and education; Homes for the aged; Hospitals; Inebriate asylums; Insane hospitals; Orphans and orphan asylums; Poor; *also* names of countries and cities, subhead Hospitals and asylums

Atavism *see* Heredity

**Athanasian creed**

**Atheism**

*See also* Agnosticism; Deism; God; Materialism; Natural religion; Skepticism; Theism

**Athletics**

*See also* Boxing; College athletics; Fencing; Games; Gymnastics; Jiu-jitsu; Olympic games; Physical education; Rowing; Running; School athletics; Skating; Sports; Swimming; Track athletics; Training; Walking; Wrestling

*Refer from* Astronomy; Mythology; Nature myths

*Refer from* Astronomy; Observatories, Astronomical (s)

*Refer from* Astronomical instruments; Astronomy; Photography; Photography, Astronomical (s)

*Refer from* Asteroids; Astrophysics; Comets; Constellations (s); Earth; Eclipses; Equinoxes; Geography, Mathematical; Globes; Gravitation; Heavens (s); Latitude and longitude; Mathematics; Mechanics, Celestial; Meteors; Milky way; Moon; Nebulae; Nebular hypothesis; Occultations; Parallax; Physics; Planets; Satellites; Science; Sky (s); Solar physics (s); Solar system; Stars; Sun; Tides; Time; Transits; Universe; Uranography (s); Zodiac

*Refer from* Atlases; Star atlases (s); Stars

*Refer from* Aberration; Astronomical instruments; Azimuth; Eclipses; Geodesy; Latitude and longitude; Least squares; Nautical astronomy; Nutation; Occultations; Parallax; Refraction; Spherical astronomy (s); Time

*Refer from* Astronomy; Solar physics (s); Stars; Sun

*Refer from* Church and state; Church law; Extradition; International law; Law; Right of sanctuary (s); Sanctuary (s)

*Refer from* Almshouses; Charities; Homes (institutions) (s); Hospitals; Institutions, Charitable and philanthropic (s); Poor

*Refer from* Catholic church — Catechisms and creeds; Church of England — Catechisms and creeds; Creeds; Trinity

*Refer from* Agnosticism; Deism; God; Natural religion; Philosophy; Religion; Skepticism; Theism

*Refer from* Amusements; College athletics; Games; Gymnastics; Physical education; Physical training (s); Play; Sports; Track athletics; Training



Atlantic cable *see* Cables, Submarine

**Atlantic coast**

*See also* names of states and localities of the Atlantic coast

**Atlases**

*See also* Astronomy — Atlases; Bible — Geography; Geography; Historical atlases; Maps; *also* names of countries, etc., subhead Description and travel — Maps

Atlantl *see* Throwing sticks

Atmosphere *see* Air; Meteorology

**Atmospheric electricity**

*See also* Auroras; Lightning

**Atmospheric nucleation**

*See also* Condensation; Ionization of gases

**Atomic theory**

*See also* Atoms; Chemistry — History; Chemistry, Physical

**Atomic weights**

*See also* Chemistry, Physical; Periodic law

**Atoms**

*See also* Atomic theory; Atomic weights; Chemistry; Chemistry, Physical; Electrons; Ions; Matter; Molecules; Physics; Stereochemistry

**Atonement**

*See also* Jesus Christ

**Attachment**

*See also* Assignments; Liens

**Attention**

*See also* Observation; Psychology; Psychology, Educational

Attorneys *see* Agency; Lawyers

**Auctions**

**Auditing** *see* *see* *see*

*See also* Accounting; Bookkeeping

Audition *see* Hearing

**Audubon societies**

Augury *see* Divination

**Augustinians**

*See also* Monasticism

Auricular confession *see* Confession

Aurora borealis *see* Auroras

**Auroras**

*See also* Atmospheric electricity; Magnetism, Terrestrial

**Auscultation**

*See also* Diagnosis

**Australian ballot**

**Austrian literature**

*See also* German literature

**Austrian succession, War of, 1740-1748**

*See also* Austria — History; Europe — History — 1492-1789; France — History —

*Refer from* Geography; Maps

*Refer from* Air; Auroras; Electricity; Electricity, Atmospheric (s); Lightning; Meteorology

*Refer from* Air; Condensation; Meteorology; Nucleation, Atmospheric (s)

*Refer from* Atoms; Chemistry; Chemistry — History; Chemistry, Physical; Matter

*Refer from* Atoms; Chemical elements; Chemistry; Chemistry, Physical

*Refer from* Atomic theory; Chemistry; Chemistry, Physical; Matter; Molecules; Physics; Stereochemistry

*Refer from* Jesus Christ; Jesus Christ — Atonement (s); Sacrifice; Salvation; Theology

*Refer from* Assignments; Commercial law; Garnishment (s); Law; Liens; Property

*Refer from* Apperception; Concentration (s); Memory; Mental discipline; Psychology; Psychology, Educational; Thought and thinking

*Refer from* Business; Commerce; Sale

*Refer from* Accounting; Bookkeeping; Business; Commercial law; Finance

*Refer from* Birds — Protection

*Refer from* Monasticism; St. Augustine, Order of (s)

*Refer from* Atmospheric electricity; Aurora borealis (s); Magnetism, Terrestrial; Meteorology; Northern lights (s); Polar light (s); Zodiacal light

*Refer from* Chest; Diagnosis; Heart; Lungs

*Refer from* Ballot; Elections

*Refer from* German literature

*Refer from* Austria — History; Europe — History — 1492-1789; France — History —





- Bourbons; Germany — History — 1740-1815; Italy — History — 1559-1789; Spain — History — 1700-
- Authority (in religion)**  
*See also* Belief; Bible — Evidences and authority; Catholic church — Authority; Faith; Popes — Authority and supremacy
- Authors**  
*See also* Anonyms; Authorship; Bibliography; Copyright; Dramatists; Essayists; Historians; Humorists; Literature; Naturalists; Novelists; Poets; Pseudonyms; Scientists; Women as authors
- **American**  
*See also* American literature; Poets, American
- Authorship**  
*See also* Authors; Book dedication; Collaboration; Copyright; Journalism; Plagiarism; Plots (drama, novel, etc.); Short stories; Versification
- Autobiography**
- Autoboats *see* Motor boats  
 Autocars *see* Automobiles
- Autographs**  
*See also* Manuscripts
- Automatism**  
*See also* Consciousness
- ✓ **Automobile racing**  
**Automobile stories**  
**Automobile touring**
- Automobiles**  
*See also* Automobile racing; Automobile stories; Automobile touring; Garages; Motor cycles; Motors; Speed; Tires
- Automobiling *see* Automobile touring; Automobiles
- Autopsy**
- Autosuggestion *see* Suggestion
- Autumn**  
*See also* Seasons  
 Autumnal catarrh *see* Hay Fever
- Auxiliary schools**  
*See also* Children, Abnormal and backward; Defectives
- Avalanches**  
*See also* Landslides; Mountains
- Avarice**  
*See also* Egoism; Misers
- Avesta**  
*See also* Parsees; Zoroastrianism
- Aviation *see* Aeronautics
- Bourbons; Germany — History — 1740-1815; Italy — History — 1559-1789; Spain — History — 1700-; War of the Austrian succession (s)
- Refer from* Belief; Religion; Religious authority (s); Theology
- Refer from* Authorship; Biography; Dramatists; Essayists; Historians; Humorists; Literary men (s); Literature; Novelists; Poets; Writers (s)
- Refer from* American authors (s); American literature; U. S. — Biography
- Refer from* Authors; Copyright; Journalism; Literature; Writing; Writing for the press (s)
- Refer from* Biography; History; Memoirs (s)
- Refer from* Biography; Collectors and collecting; Handwriting (s); Signatures (s); Writing
- Refer from* Animal intelligence; Consciousness; Psychology
- Refer from* Automobiles; Racing (s); Sports
- Refer from* Automobiles; Fiction
- Refer from* Automobiles; Automobiling (s); Motoring (s); Voyages and travels
- Refer from* Autocars (s); Automobiling (s); Carriages; Cars; Electric carriages (s); Horseless carriages (s); Locomotion; Manufactures; Motor carriages (s); Motor vehicles (s); Motoring (s); Motors; Tires; Transportation; Vehicles
- Refer from* Anatomy; Death; Dissection; Medical jurisprudence; Medicine; Pathology; Post-mortem examinations (s); Surgery
- Refer from* Fall (s); Seasons
- Refer from* Children, Abnormal and backward; Defectives; Education; Schools
- Refer from* Landslides; Mountains; Snow
- Refer from* Conduct of life; Covetousness (s); Egoism; Ethics; Misers
- Refer from* Parsees; Persian literature; Sacred books; Zend-Avesta (s); Zoroastrianism



Aviators *see* Aeronauts

Awards *see* Arbitration and award

**Axioms**

*See also* Geometry

**Axles**

*See also* Bearings (machinery); Wheels

**Azimuth**

*See also* Astronomy, Spherical and practical

**Aztecs**

*See also* Indians of Mexico; Mexico — Antiquities; Toltecs

Babies *see* Infants

**Babism**

*See also* Mohammedanism

Baby *see* Infants

Babylonian literature *see* Assyro-Babylonian literature

Baccalaureate sermons *see* College sermons

**Bachelors**

Bachelor's degrees *see* Degrees, Academic

Bacilli *see* Bacteriology; Germ theory of disease

Backbone *see* Spine

**Backgammon**

Backward children *see* Children, Abnormal and backward

Bacon-Shakespeare controversy *see* Shakespeare, William — Authorship

**Bacon's rebellion, 1676**

*See also* U. S. — History — Colonial period; Virginia — History

Bacteria *see* Bacteriology

**Bacteriology**

*See also* Dairy bacteriology; Dust; Fermentation; Germ theory of disease; Immunity; Microscope and microscopy; Putrefaction; Soil bacteriology; Water — Analysis

**—Agricultural**

*See also* Dairy bacteriology; Nitrification; Plants — Diseases; Soil bacteriology; *also* names of crops, subhead Diseases and pests, e.g. Fruit — Diseases and pests

Badges of honor *see* Decorations of honor; Insignia; Medals

**Baggage**

*See also* Packing for shipment

**Bagpipes**

*See also* Music — Scotland; Wind instruments

Bahaism *see* Babism

**Bail**

*See also* Arrest; Guaranties and sureties

**Bailments**

*See also* Agency; Baggage; Carriers; Commercial law; Liens; Negligence; Pawnbroking; Warehouses

**Bakers and bakeries**

*See also* Baking

*Refer from* Geometry; Mathematics; Philosophy; Truth

*Refer from* Wheels

*Refer from* Astronomy; Astronomy, Spherical and practical; Geodesy

*Refer from* Indians of Mexico; Mexico — Antiquities; Toltecs

*Refer from* Bahaism (s); Behaism (s); Mohammedanism; Religions

*Refer from* Celibacy; Men

*Refer from* Games

*Refer from* U. S. — History — Colonial period; Virginia — History

*Refer from* Bacilli (s); Bacteria (s); Biology; Botany; Contagion and contagious diseases; Disease germs (s); Dust; Fermentation; Fungi; Germ theory of disease; Germs (s); Medicine; Microbes (s); Micro-organisms (s); Microscope and microscopy; Parasites; Pathology; Putrefaction; Water — Analysis

*Refer from* Agricultural bacteriology (s); Agriculture; Dairy bacteriology; Plants — Diseases; Soil bacteriology; Soils

*Refer from* Bailments; Carriers; Luggage (s); Railroads — Baggage (s); Travel

*Refer from* Music — Scotland; Wind instruments

*Refer from* Arrest; Criminal law; Guaranties and sureties; Law

*Refer from* Agency; Carriers; Commercial law; Contracts; Guaranties and sureties; Law; Negligence; Pawnbroking; Warehouses

*Refer from* Baking; Food

✓ 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

**Baking**

*See also* Bakers and bakeries; Bread; Cake; Cookery; Ovens; Pastry

**Baking powder****Balance of power**

*See also* Eastern question (Near East); Europe — Politics; International relations

**Balance of trade**

*See also* Commerce; Tariff; Tariff question

**Baldness**

*See also* Hair

Balkan question *see* Eastern question (Near East)

Ball *see* Baseball; Basket-ball; Cricket; Football; Handball

Ball bearings *see* Bearings (machinery)

**Ballads**

*See also* Chapbooks; Folk songs; Legends; Lyric poetry; Poetry; Songs

**—American**

*See also* American poetry; Ballads, English; Songs, American

**—English**

*See also* Ballads, American; Ballads, Irish; Ballads, Scottish; English poetry; Songs, English

**—Irish**

*See also* Ballads, English; Irish poetry; Songs, Irish

**—Scottish**

*See also* Ballads, English; Scottish poetry; Songs, Scottish

**Ballet**

*See also* Dancing; Pantomime

**Ballistics**

*See also* Gunnery; Ordnance; Photochronograph; Projectiles; Shooting

Balloonists *see* Aeronauts

**Balloons**

*See also* Aeronautics; Airships

—Dirigible, *see* Airships

**Ballot**

*See also* Australian ballot; Elections; Suffrage; Voting machines

**Balls (parties)**

*See also* Cotillion; Dancing; Masquerades

Balustrades *see* Railings

**Bamboo****Bandages and bandaging**

*See also* First aid in illness and injury; Surgery

Bandaging *see* Bandages and bandaging

Banditti *see* Brigands and robbers

**Bands (music)**

*See also* Conducting (music); Instrumentation and orchestration; Military music; Orchestras; Wind instruments

*Refer from* Bakers and bakeries; Bread; Cake; Cookery; Ovens; Pastry

*Refer from* Chemistry, Technical; Cookery

*Refer from* Eastern question (Near East); Europe — Politics; International relations

*Refer from* Commerce; Economics; Exchange; Tariff; Tariff question; Trade, Balance of (s)

*Refer from* Hair; Head.

*Refer from* Carols; Chapbooks; Folk songs; Legends; Literature; Lyric poetry; Poetry; Songs

*Refer from* American ballads (s); American literature; American poetry; American songs (s); Ballads, English; Songs, American

*Refer from* Ballads, American; Ballads, Irish; Ballads, Scottish; English ballads (s); English literature; English poetry; English songs (s); Songs, English

*Refer from* Ballads, English; Irish ballads (s); Irish literature; Irish poetry; Irish songs (s); Songs, Irish

*Refer from* Ballads, English; Scotch ballads (s); Scottish ballads (s); Scottish literature; Scottish poetry; Scottish songs (s); Songs, Scottish

*Refer from* Dancing; Pantomime; Theater

*Refer from* Gunnery; Ordnance; Photochronograph; Projectiles; Shooting

*Refer from* Aeronautics; Airships

*Refer from* Elections; Government; Politics; Short ballot (s); Suffrage; Voting (s)

*Refer from* Amusements; Cotillion; Dancing; Entertaining; Masquerades; Parties (s)

*Refer from* Furniture; Grasses; Woodwork

*Refer from* Bandaging (s); First aid in illness and injury; Surgery

*Refer from* Conducting (music); Instrumental music; Military music; Music; Orchestras; Wind instruments

As to - U.S.  
natl.

Bank branches

✓ Bank of America  
S.A. Sales and vaults.

✓ Bank buildings - Furniture & equipment  
✓ Bank buildings - Lighting.

✓ Bank employees  
S.A. Clerks

✓ Bank of America  
S.A. Bank of America - S.A. Bank of America  
S.A. Bank of America - S.A. Bank of America

Bankers' Union & merge

Bank liens

S.A. Bank officers  
Clearing house examination,

✓

✓

✓ Bank of America  
Bank of America

Bank organization

Bank of America  
Banking services

Bank of America

✓ Bank of America  
✓ Bank of America  
✓ Bank of America  
✓ Bank of America  
✓ Bank of America

Bank of America

Bank of America

Bank of America

7 Bandy *see* Hockey  
Banishment *see* Exile; Penal colonies  
Bank deposit guaranty *see* Banks and banking

Bank deposit guaranty *see* Banks and banking

Bank notes

*See also* Banks and banking; Counterfeits; Legal tender; Paper money; Currency

Bankers

Banking *see* Banks and banking

Bankruptcy

*See also* Assignments; Commercial law; Debt; Receivers

**Banks and banking**

*See also* Agricultural credit; Bank notes; Bankers; Building and loan associations; Checks; Clearing houses; Credit; Discount; Economics; Exchange; Finance; Foreign exchange; Interest; Land banks; Money; National banks; Pawnbroking; Postal savings banks; Savings banks; School savings banks; Stock exchange; Stocks; Trust companies; Vaults; *also* names of cities, subhead Banks

Guaranty of deposits

Law  
U. S.

*See also* National banks

Banners *see* Flags

Banquets *see* Dinners and dining

Baptism

*See also* Baptismal fonts; Baptists; Close communion; Jesus Christ — Baptism; Regeneration (theology); Sacraments

— Infants

*See also* Infant salvation; Predestination

Baptismal fonts

*See also* Church furniture

Baptists

*See also* Anabaptists; Baptism; Close communion; Congregationalism; German Baptist brethren; Mennonites; Seventh-day Baptists

Bar *see* Lawyers

Barbarian invasions of Rome

*See also* Goths; Huns; Italy — History — To 1559; Migration of nations; Rome — History — Empire; Vandals

Barbary corsairs *see* Pirates

Barbed wire *see* Fence wire

Barbizon school

*See also* Painting, French

Bards

*See also* Celtic literature; Meistersingers; Minnesingers; Minstrels; Troubadours; Trouvères

*Refer from* Banks and banking; Counterfeits; Engraving; Money; National bank notes (s); National banks; Paper money

*Refer from* Banks and banking; Biography

*Refer from* Assignments; Commerce; Commercial law; Corporations; Debt; Failure (in business) (s); Finance; Insolvency (s); Law; Partnership; Receivers

*Refer from* Agricultural banks (s); Bank notes; Banking (s); Bills of credit (s); Bills of exchange (s); Bimetallism; Capital; Checks; Clearing houses; Commerce; Credit; Discount; Economics; Finance; Government banking (s); Interest; Investments; Land banks; Money; National banks; Paper money; Savings banks; Stock exchange; Trust companies; Wealth

*Refer from* Bank deposit guaranty (s); Guaranty of bank deposits (s)

*Refer from* Commercial law

*Refer from* Money — U. S.; National banks; State banks (s); U. S. — Banks (s)

*Refer from* Baptists; Christening (s); Christian antiquities; Church membership; Church polity; Immersion, Baptismal (s); Regeneration (theology); Rites and ceremonies; Sacraments; Theology

*Refer from* Infant baptism (s); Infant salvation

*Refer from* Baptism; Church furniture; Fonts (s)

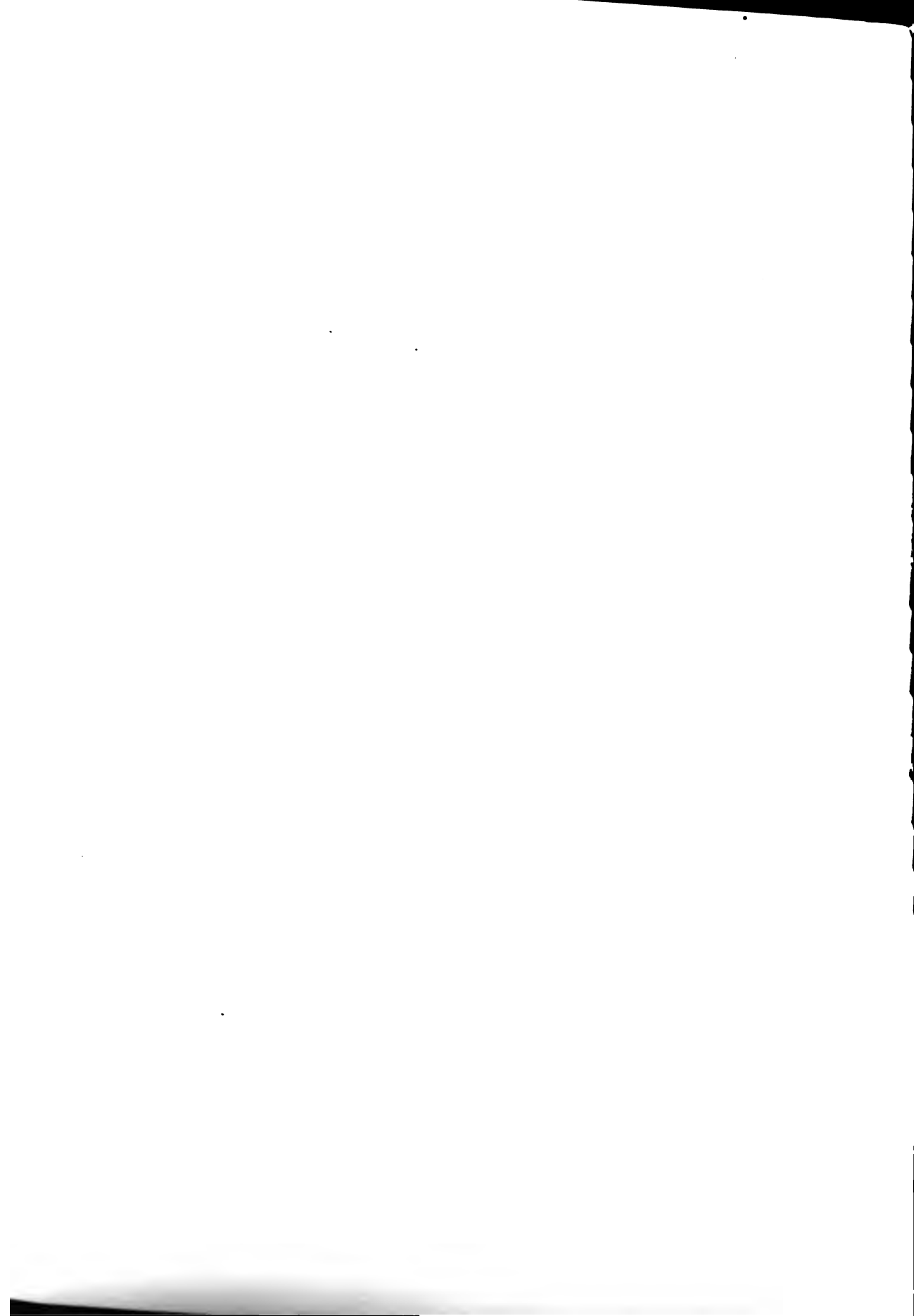
*Refer from* Anabaptists; Baptism; Close communion; Congregationalism; Sects

*Refer from* Goths; Huns; Italy — History — To 1559; Invasions of Rome, Barbarian (s); Migration of nations; Rome — History — Empire; Vandals

*Refer from* Landscape painting; Painting, French

*Refer from* Celtic literature; Minstrels; Poetry; Poets





- Bark**  
*See also* Botany, Structural; Trees; Wood
- Barley**  
*See also* Grain
- Barns and stables**  
*See also* Farm buildings; Garages; Horse
- Barometer**  
*See also* Meteorological instruments
- Baronage** *see* Peerage
- Baronetage** *see* Peerage
- Barons' war, 1263-1267**  
*See also* England — History — Plantagenets
- Barracks**  
*See also* Military architecture
- Barrels** *see* Cooperage
- Barristers** *see* Lawyers
- Barrows** *see* Mounds and mound builders
- Bartholomew, St., Massacre of, see** St. Bartholomew's day, Massacre of
- Bas-relief**  
*See also* Carving (art industries); Sarcophagi; Sculpture; Wood carving
- Baseball**  
*See also* College athletics
- Basilicas**  
*See also* Architecture; Church architecture
- Basket-ball**  
*See also* College athletics
- Basket making** *see* Basketwork
- Basketry** *see* Basketwork
- Basketwork**  
*See also* Indians — Industries
- Basques**
- Bat** *see* Bats
- Bathing** *see* Baths and bathing
- Baths, Public**
- Baths and bathing**  
*See also* Baths, Public; Diving; Hydrotherapy; Swimming
- Batrachia** *see* Amphibia
- Bats**  
*See also* Mammals
- Batteries (electric)** *see* Electric batteries; Storage batteries
- Batteries (military)** *see* Artillery
- Battle, Wager of, see** Wager of battle
- Battle cries**
- Battle-ships** *see* Warships
- Battle-songs** *see* War songs
- Battlefield relief**  
*See also* First aid in illness and injury; Hospitals, Military; Medicine, Military; Military hygiene; Red cross; Surgery, Military
- Refer from* Botany, Structural; Trees; Wood
- Refer from* Grain
- Refer from* Architecture; Cattle; Domestic animals; Farm buildings; Horse; Live stock; Stables (s)
- Refer from* Air; Aneroid barometer (s); Meteorological instruments; Physics; Surveying instruments
- Refer from* England — History — Plantagenets
- Refer from* Military architecture
- Refer from* Carving (art industries); Decoration and ornament; Sculpture
- Refer from* Ball (s); College athletics; Games; School athletics
- Refer from* Architecture; Church architecture
- Refer from* Ball (s); College athletics; Games; School athletics
- Refer from* Arts and crafts; Basket making (s); Basketry (s); Domestic arts; Indians — Industries; Manual training; Weaving
- Refer from* Ethnology — France; Ethnology — Spain; France — History
- Refer from* Architecture; Baths and bathing; Municipal improvement; Public baths (s)
- Refer from* Archaeology; Bathing (s); Cleanliness; Hydrotherapy; Hygiene; Sea bathing (s); Seashore; Swimming; Therapeutics; Toilet; Turkish baths (s); Water
- Refer from* Bat (s); Chiroptera (s); Chiroptera (s); Mammals
- Refer from* Cries (s); War cries (s); Yells
- Refer from* First aid in illness and injury; Hospitals, Military; Medicine, Military; Military hygiene; Red cross; Relief work (s); Surgery, Military



**Battles**

*See also* Imaginary wars and battles; Massacres; Military history; Naval battles; Sieges; *also* names of battles, e.g. Gettysburg, Battle of; Waterloo, Battle of; and names of generals, wars, etc.

Battleships *see* Warships

**Bayeux tapestry****Bayonets**

*See also* Arms and armor

**Bays and gulfs****Beaches**

*See also* Dunes; Physical geography; Seashore

**Beacons**

*See also* Lighthouses

**Beads**

*See also* Beadwork; Rosary; Wampum

**Beadwork**

*See also* Beads; Indians — Industries

Beams *see* Girders

Bear *see* Bears

Bearing reins *see* Checkreins

**Bearings (machinery)**

*See also* Friction; Lubrication and lubricants; Machine design

**Bears**

*See also* Carnivora

Beasts *see* Animals; Bestiaries; Domestic animals; Zoology

Beasts of prey *see* Carnivora

**Beatitudes**

*See also* Bible — New Testament — Matthew; Sermon on the mount

Beautiful, The, *see* Esthetics

Beauty *see* Beauty, Personal; Esthetics

**Beauty, Personal**

*See also* Cosmetics; Costume; Hair; Hand; Skin; Teeth; Toilet

Beaux *see* Dandies

Becquerel rays *see* Radioactivity

**Bedouins**

*See also* Arabia; Arabs; Nomads

**Beds**

*See also* Furniture

Bee *see* Bees

**Beef**

*See also* Meat; Packing industry

**Beer**

*See also* Ale; Brewing; Liquors; Malt

**Bees**

*See also* Honey; Hymenoptera; Wax

Beet *see* Beets and beet sugar

Beet sugar *see* Beets and beet sugar

**Beetles**

*See also* Insects; Scarabs; Weevils

**Beets and beet sugar**

*See also* Sugar; Vegetables

*Refer from* History; Military art and science; Military history; Naval battles; Sieges; War

*Refer from* Tapestry

*Refer from* Arms and armor; Guns

*Refer from* Gulfs (s); Physical geography

*Refer from* Geology; Physical geography; Seashore

*Refer from* Life-saving; Lighthouses; Navigation; Signals

*Refer from* Beadwork; Jewelry

*Refer from* Arts and crafts; Beads; Fancy work; Indians — Industries; Needlework; Weaving

*Refer from* Axles; Ball bearings (s); Friction; Journals (machinery) (s); Lubrication and lubricants; Machine design; Machinery

*Refer from* Bear (s); Carnivora; Hunting; Ursidae (s)

*Refer from* Bible; Bible — New Testament — Matthew; Sermon on the mount

*Refer from* Beauty (s); Complexion (s); Cosmetics; Face; Hygiene; Personal beauty (s); Toilet; Women

*Refer from* Arabia; Arabs; Nomads

*Refer from* Furniture

*Refer from* Cattle; Meat; Packing industry

*Refer from* Ale; Brewing; Liquors; Malt

*Refer from* Agriculture; Apiaries (s); Apiculture (s); Bee (s); Honey; Hymenoptera

*Refer from* Coleoptera (s); Insects; Insects, Injurious and beneficial; Weevils

*Refer from* Beet (s); Beet sugar (s); Sugar; Sugar beet (s); Vegetables



**Begging**

*See also* Charity; Poor; Tramps

Behaism *see* Babism

Behavior *see* Conduct of life; Etiquet

**Being**

*See also* Metaphysics; Reality

**Belgian hares**

*See also* Hares

**Belief**

*See also* Agnosticism; Authority (in religion); Certainty; Creeds; Faith; Rationalism; Religions; Sects; Skepticism; Truth

Bell buoys *see* Buoys

Bell founding *see* Bells

Belles-lettres *see* Literature

**Bells**

*See also* Chimes and chiming; Electric bells

**Belting**

*See also* Machine design; Power transmission; Pulleys; Rope driving; Shafting

**Benedictines**

*See also* Cistercians; Monasticism

**Benefit of clergy****Benefit societies**

*See also* Building and loan associations; Insurance, Industrial; Insurance, Life; Labor unions; Odd Fellows; Secret societies

Benevolence *see* Altruism; Charity; Philanthropy; Poor

Benevolent societies *see* Benefit societies; Charitable societies

**Bengali language**

*See also* Indo-Aryan languages

Bequests *see* Gifts; Inheritance; Legacies; Wills

**Berbers**

*See also* Barbary States; Hamites

**Berries**

*See also* Fruit; *also* names of berries, e.g. Strawberries

**Bertillon system**

*See also* Anthropometry; Finger prints; Identification

**Bessemer process**

*See also* Steel

Best books *see* Books and reading — Best books

**Bestiaries**

*See also* Animal lore

Béton *see* Concrete

Betterment, Industrial, *see* Industrial betterment

*Refer from* Mendicity (s); Poor; Tramps

*Refer from* Infinite; Metaphysics; Ontology (s); Philosophy; Reality

*Refer from* Hares; Rabbits

*Refer from* Authority (in religion); Certainty; Conviction (s); Doubt (s); Faith; Intellect; Knowledge; Metaphysics; Opinion (s); Philosophy; Psychology; Religion; Religious belief (s); Theology; Truth

*Refer from* Archaeology; Bell founding (s); Campanology (s); Chimes and chiming; Church bells (s); Ringing (s)

*Refer from* Chain belting (s); Machine design; Machinery; Power transmission; Pulleys; Rope driving; Shafting

*Refer from* Cistercians; Monasticism

*Refer from* Church law; Church polity; Clergy; Law

*Refer from* Benevolent societies (s); Building and loan associations; Cooperation; Fraternal insurance (s); Fraternities, Benevolent (s); Friendly societies (s); Insurance; Insurance, Fraternal (s); Insurance, Industrial; Insurance, Life; Labor and laboring classes; Labor unions; Mutual aid societies (s); Mutual benefit societies (s); Secret societies; Societies; Thrift

*Refer from* Indo-Aryan languages

*Refer from* Barbary States; Ethnology — Africa; Hamites

*Refer from* Fruit; Small fruit (s); Strawberries

*Refer from* Anthropometry; Crime and criminals; Finger prints; Identification

*Refer from* Steel

*Refer from* Animal lore; Beasts (s); Fables; Literature



Betterments *see* Real estate; Single tax;  
Unearned increment

**Betting**

*See also* Gambling; Probabilities

Bevel gearing *see* Gearing

**Beverages**

*See also* Chocolate; Cider; Cocoa; Coffee;  
Drinking customs; Food; Liquors, and names  
of liquors; Milk; Mineral waters; Stimu-  
lants; Tea; Temperance; Water

**Bezique**

*See also* Cards

Bhang *see* Hashish

**Bible**

Text, arranged alphabetically by lan-  
guage, the English translations arranged  
chronologically

— **Selections** [from both Old and New  
Testaments]

**Bible** [as subject]

*See also* Angels; Apostles; Beatitudes;  
Bible and science; Bible in the schools;  
Bible societies; Christianity; Church history;  
Commandments; Creation; Deluge; Fall  
of man; God; Jesus Christ; Jews; Lord's  
prayer; Miracles; Parables; Patriarchs;  
Prophets; Religion and science; Revelation;  
Saints; Sermon on the mount; Theology

— Animals, *see* Bible — Natural history

— **Antiquities**

*See also* Bible — History; Christian  
antiquities; Jews — Antiquities; Pales-  
tine — Antiquities

— **Astronomy**

— Authenticity, *see* Bible — Evidences and  
authority

— Authorship, *see* Bible — Evidences and  
authority

— **Bibliography**

*See also* Bible — Manuscripts; Bible —  
Versions

— **Biography**

*See also* Bible — History; Saints

— Birds, *see* Bible — Natural history

— Botany, *see* Bible — Natural history

— **Canon**

*See also* Bible — Evidences and au-  
thority; Bible — Inspiration

— Catechisms, *see* Bible — Question books;  
Catechisms

— **Chronology**

*See also* Bible — History

— Coins, *see* Bible — Numismatics

— Colportage, *see* Bible — Publication and  
distribution

— **Commentaries** [with or without text.  
Commentaries with text should be  
entered also with texts of the Bible]

*See also* Bible — Criticism and inter-  
pretation; also names of separate books  
and parts of the Bible

*Refer from* Book-making (betting) (s);  
Bookmaking (betting) (s); Gambling; Sports;  
Wagers (s)

*Refer from* Chocolate; Cider; Cocoa; Coffee;  
Diet; Drinks (s); Food; Liquors; Manufac-  
tures; Mineral waters; Stimulants; Tea; Tem-  
perance

*Refer from* Cards

*Refer from* Christianity; Church history;  
God; Holy Scriptures (s); Jesus Christ;  
Jewish literature; Jews; Religion; Revelation;  
Sacred books; Scriptures (s); Theology

*Refer from* Archaeology; Bible — History;  
Biblical archaeology (s); Christian antiquities;  
Jews — Antiquities; Palestine — Antiquities

*Refer from* Astronomy; Bible — Science

*Refer from* Bible — History; Biography;  
Saints

*Refer from* Bible — Criticism and interpre-  
tation; Bible — Evidences and authority;  
Bible — Inspiration; Canon (Bible) (s)

*Refer from* Bible — History; Chronology,  
Biblical (s); Chronology, Historical

*Refer from* Bible — Criticism and interpre-  
tation; Commentaries (s)





**Bible—Continued**

—**Concordances**

—Credibility, *see* Bible — Evidences and authority

—**Criticism and interpretation**

*See also* Bible — Canon; Bible — Commentaries; Bible — Evidences and authority; Modernism

—**Dictionaries**

—Distribution, *see* Bible — Publication and distribution

—Editions, *see* Bible — Versions

—**Ethnology**

*See also* Hittites; Jews — Ethnology; Jews — Lost tribes

—**Evidences and authority**

*See also* Bible — Canon; Bible — Inspiration; Christianity — Evidences

—**Geography**

*See also* Palestine — Description and travel

—Hermeneutics, *see* Bible — Criticism and interpretation

—Higher criticism, *see* Bible — Criticism and interpretation

—**History**

*See also* Bible — Antiquities; Bible — Biography; Bible — Chronology; Bible — Stories; Bible — Old Testament — Historical books; Jews — History; Palestine — History. For history of editions and versions *see* Bible — Versions

—Illustrations, *see* Bible — Pictorial illustrations

—**Inspiration**

*See also* Bible — Canon; Bible — Evidences and authority

—Interpretation, *see* Bible — Criticism and interpretation

—**Introductions**

—Language, style, etc., *see* Bible — Literary character

—**Literary character**

—Literary history, *see* Bible — Versions

—**Manuscripts**

—**Medicine, hygiene, etc.**

—**Miscellaneous**

—Money, *see* Bible — Numismatics

—**Music**

*See also* Music — Jews

—**Natural history**

—**Numismatics**

*Refer from* Concordances (s)

*Refer from* Bible — Commentaries; Bible — Hermeneutics (s); Bible — Higher criticism (s); Bible — Interpretation (s); Bible — Textual criticism (s); Criticism; Exegesis (s); Hermeneutics (s); Higher criticism (s)

*Refer from* Ethnology; Jews — Ethnology

*Refer from* Authority (in religion); Bible — Authenticity (s); Bible — Authorship (s); Bible — Canon; Bible — Credibility (s); Bible — Criticism and interpretation; Bible — Inspiration; Christianity — Evidences; Evidences of the Bible (s)

*Refer from* Atlases; Geography, Ancient; Geography, Biblical (s); Palestine — Description and travel

*Refer from* Bible — Antiquities; Bible — Biography; Bible — Chronology; History, Ancient; Jews — History; Palestine — History; Sacred history (s)

*Refer from* Bible — Canon; Bible — Evidences and authority; Inspiration

*Refer from* Bible — Language, style, etc. (s); Bible — Poetry (s); Bible as literature (s); Literature

*Refer from* Bible — Bibliography; Bible — Versions

*Refer from* Hygiene; Medicine

*Refer from* Church music; Music; Music — Jews

*Refer from* Bible — Animals (s); Bible — Birds (s); Bible — Botany (s); Bible — Science; Botany of the Bible (s); Natural history

*Refer from* Bible — Coins (s); Bible — Money (s); Numismatics



**Bible — Continued**

— **Paraphrases**

— **Pictorial illustrations**

*See also* Names of Bible characters and Biblical subjects, e.g. Jesus Christ in art

— **Poetry** *see* Bible — Old Testament — Poetical books; Bible — Literary character

— **Prophecies**

*See also* Bible — Old Testament — Prophetical books; Prophets

— **Psychology**

— **Publication and distribution**

*See also* Bible societies

— **Question books**

*See also* Catechisms

— **Revision**

*See also* Bible — Versions

— **Science**

*See also* Bible — Astronomy; Bible — Natural history

— **Stories**

— **Study and teaching**

*See also* Sunday school lessons; Sunday schools

— **Textual criticism**, *see* Bible — Criticism and interpretation

— **Theology**, *see* Theology

— **Translations**, *see* Bible — Versions

— **Versions**

*See also* Bible — Manuscripts; Bible — Revision

**Bible — Old Testament**

Subdivided like the Bible. The books are arranged here in canonical order, in accordance with the A. L. A. rule. Alphabetical arrangement under Bible — Old Testament and Bible — New Testament may be adopted by libraries which find it more convenient. Reference should be made from the name of each book in the main alphabet

*See also* Talmud

— **Historical books**

— **Octateuch**

— **Hexateuch**

— **Pentateuch**

— **Poetical books**

— **Prophetical books**

— **Genesis**

*See also* Creation; Deluge; Eden; Fall of man; Patriarchs

— **Exodus**

*See also* Commandments

*Refer from* Bible — Illustrations (s); Christian art and symbolism

*Refer from* Prophecies; Prophets

*Refer from* Biblical psychology (s); Psychology, Biblical (s)

*Refer from* Bible — Colportage (s); Bible — Distribution (s); Bible houses (s); Bible societies; Colportage (s); Missions; Tract societies

*Refer from* Bible — Catechisms (s); Catechisms; Sunday school lessons

*Refer from* Bible — Versions; Revision of the Bible (s)

*Refer from* Bible — History; Bible stories (s)

*Refer from* Bible classes (s); Bible study (s); Religious education; Sunday school lessons; Sunday schools

*Refer from* Bible — Bibliography; Bible — Editions (s); Bible — History; Bible — Literary history (s); Bible — Revision; Bible — Translations (s)

*Refer from* Hebrew literature; Jews — Religion; Old Testament (s)

*Refer from* Bible — History

*Refer from* Octateuch (s)

*Refer from* Hexateuch (s)

*Refer from* Pentateuch (s)

*Refer from* Bible — Poetry (s); Hebrew poetry

*Refer from* Bible — Prophecies

*Refer from* Creation; Deluge; Eden; Fall of man; Patriarchs

*Refer from* Commandments



**Bible — Old Testament — Continued**

- **Leviticus**  
    *See also* Mosaic law
- **Numbers**
- **Deuteronomy**  
    *See also* Mosaic law
- **Joshua**
- **Judges**
- **Ruth**
- **Samuel 1, 2**
- **Kings 1, 2**
- **Chronicles 1, 2**
- **Ezra**
- **Nehemiah**
- **Esther**
- **Job**
- **Psalms**
- **Proverbs**
- **Ecclesiastes**
- **Song of Solomon**
- **Isaiah**
- **Jeremiah**
- **Lamentations**
- **Ezekiel**
- **Daniel**
- **Hosea**
- **Joel**
- **Amos**
- **Obadiah**
- **Jonah**
- **Micah**
- **Nahum**
- **Habakkuk**
- **Zephaniah**
- **Haggai**
- **Zechariah**
- **Malachi**
- **Apocrypha**
- **Esdras**
- **Tobit**
- **Judith**
- **Wisdom of Solomon**
- **Ecclesiasticus**
- **Baruch**
- **Song of the three children**
- **Susanna**
- **Bel and the dragon**
- **Prayer of Manasses**
- **Maccabees 1, 2, 3, 4**
- Other apocryphal books in alphabetic order, as: Adam, Enoch, Jasher

*Refer from* Mosaic law

*Refer from* Mosaic law

*Refer from* Psalmody (s); Psalter (s)

*Refer from* Proverbs

*Refer from* Canticles (s)

*Refer from* Apocrypha (s)

**Bible — New Testament** [see note under Old Testament]

- See also* Apostles; Church history —
- Early church — Apostolic; Jesus Christ
- **Gospels**  
    *See also* Jesus Christ; Jesus Christ —
- Teaching; Parables
- **Harmonies**
- **Epistles**
- **Matthew**  
    *See also* Beatitudes; Lord's prayer;
- Sermon on the mount
- **Mark**
- **Luke**  
    *See also* Lord's prayer

*Refer from* Apostles; Church history —  
Early church — Apostolic; Evangelists (s);  
Jesus Christ; New Testament (s)

*Refer from* Gospels (s); Jesus Christ —  
Teaching; Parables; Synoptic Gospels (s)

*Refer from* Harmony of the Gospels (s)

*Refer from* Pauline epistles (s)

*Refer from* Beatitudes; Lord's prayer;  
Sermon on the mount

*Refer from* Lord's prayer



**Bible — New Testament — Continued**

— John  
— Acts  
— Romans  
— Corinthians 1, 2  
— Galatians  
— Ephesians  
— Philippians  
— Colossians  
— Thessalonians 1, 2  
— Timothy 1, 2  
— Titus  
— Philemon  
— Hebrews  
— James  
— Peter 1, 2  
— Epistles of John  
— Jude  
— Revelation

*See also* Apocalyptic literature

— **Apocryphal books**

*See also* Apostolic constitutions

**Bible and science**

*See also* Religion and science

Bible as literature *see* Bible — Literary character

Bible classes *see* Bible — Study and teaching; Sunday schools

Bible houses *see* Bible — Publication and distribution

**Bible in the schools**

*See also* Church and education; Public schools and religion

**Bible societies**

*See also* Bible — Publication and distribution

Bible stories *see* Bible — Stories

Bible study *see* Bible — Study and teaching

Biblical archaeology *see* Bible — Antiquities

Biblical psychology *see* Bible — Psychology

Biblical theology *see* Theology

**Bibliography**

*See also* Anonyms; Archives; Book books; Book collecting; Book rarities; Bookbinding; Bookplates; Books; Books and reading; Cataloging; Catalogs; Catalogs, Library; Classification; Errors and blunders; Literary; Incunabula; Indexes; Indexing; Libraries; Literature; Manuscripts; Periodicals — Indexes; Pseudonyms; Reference books; Titles of books; *also* names of literatures, as American literature, and names of persons, places and subjects, subhead Bibliography

— Best books, *see* Books and reading — Best books

— Rare books, *see* Book rarities

Bibliomania *see* Book collecting

Bibliophily *see* Book collecting

**Bicycles and tricycles**

*See also* Cycling; Motor cycles; Tires

*Refer from* Apocalypse (s); Apocalyptic literature

*Refer from* Apocryphal books (New Testament) (s); Church history — Early church

*Refer from* Bible; Geology and the Bible (s); Religion and science; Science and the Bible (s)

*Refer from* Bible; Church and education; Education; Public schools; Public schools and religion; Religious education

*Refer from* Bible; Bible — Publication and distribution; Societies

*Refer from* Authors; Books; Books and reading; Catalogs; Catalogs, Library; Libraries; Library science; Literary history (s); Literature

*Refer from* Cycling; Tricycles (s); Velocipedes (s)



✓ - 1 - 2

Bicycling *see* Cycling  
Big game *see* Game; Hunting  
Bill-boards *see* Billposting  
Bill-posting *see* Billposting  
Billboards *see* Billposting  
**Billiards**  
**Billposting**  
    *See also* Advertising; Posters

Bills of credit *see* Banks and banking; Credit;  
    Money; Paper money  
✓ Bills of exchange *see* Banks and banking;  
    Credit; Exchange; Money; Paper money  
Bills of fare *see* Menus

✓ **Biometallism**  
    *See also* Banks and banking; Coinage;  
    Finance; Gold (as money); Money; Precious  
    metals; Silver (as money)

Binders *see* Harvesting machinery

Binding *see* Bookbinding

Biograph *see* Moving pictures

✓ **Biography**

*See also* Abolitionists; Actors; Aeronauts;  
    Anecdotes; Archaeologists; Architects;  
    Artists; Authors; Autobiography; Auto-  
    graphs; Bankers; Bible — Biography; Book-  
    sellers and bookselling; Brigands and rob-  
    bers; Capitalists and financiers; Chancellors,  
    Lord; Chief justices; Christian biography;  
    Classical biography; Clergy — Biography;  
    Conjurors; Crime and criminals; Dentists;  
    Diplomatic memoirs; Diplomats; Educa-  
    tors; Electricians; Emperors; Engineers;  
    Engravers; Epitaphs; Executioners; Ex-  
    plorers; Genealogy; Governors; Heraldry;  
    Hermits; Heroes; Historians; History;  
    Humorists; Indians — Biography; Inven-  
    tors; Judges; Kings and rulers; Lawyers;  
    Librarians; Loyalists, American; Manufac-  
    turers; Mechanics (persons); Merchants;  
    Military biography; Millionaires; Ministers  
    of state; Musicians; Naturalists; Naval  
    biography; Obituaries; Orators; Peerage;  
    Pharmacists; Philanthropists; Philoso-  
    phers; Physicians and surgeons; Pilgrim  
    fathers; Popes — Biography; Portraits;  
    Presidents; Princes and princesses; Printers;  
    Prophets; Queens and empresses; Reform-  
    ers; Regicides; Scientists; Shoemakers;  
    Statesmen; Table-talk; Tailors; Teachers;  
    Thieves; Travelers; Women — Biography;  
    *also* names of countries and cities, subhead  
    Biography

Biological chemistry *see* Physiological chemis-  
    try

**Biological laboratories**

**Biology**

*See also* Acclimatization; Adaptation  
    (biology); Anatomy; Bacteriology; Bio-  
    logical laboratories; Botany; Cells; Color  
    of animals; Color of plants; Death; Ecology;  
    Electrophysiology; Embryology; Enzymes;  
    Evolution; Heredity; Hermaphroditism;  
    Hybridization; Hygiene; Irritability; Kar-  
    yokinesis; Life — Origin; Longevity; Marine

*Refer from Games*

*Refer from* Advertising; Bill-boards (s);  
    Bill-posting (s); Billboards (s); Municipal  
    improvement; Posters

*Refer from* Coinage; Finance; Gold (as  
    money); Joint standard (s); Money; Silver  
    (as money)

*Refer from* Contemporaries (s); Genealogy;  
    History; Lives (s); Memoirs (s)

*Refer from* Biology; Laboratories

*Refer from* Botany; Cells; Death; Embry-  
    ology; Evolution; Heredity; Life; Life —  
    Origin; Morphology; Natural history; Philos-  
    ophy; Physiology; Protoplasm; Regeneration  
    (biology); Reproduction; Science; Zoology



biology; Metabolism; Microscope and microscopy; Mimicry (biology); Morphology; Natural history; Parasites; Parthenogenesis; Physiology; Plankton; Protoplasm; Regeneration (biology); Reproduction; Sex; Species; Spontaneous generation; Variation (biology); Vitalism; Zoology

**Biomagnetism** *see* Animal magnetism

**Bionomics** *see* Ecology

**Bioplasm** *see* Protoplasm

**Biplanes** *see* Aeroplanes

**Bird day**

**Bird-song** *see* Birds — Song

**Birds**

*See also* Bird day; Birds' eggs; Cage birds; Falconry; Feathers; Flight; Game birds; Nests; Poultry; Taxidermy; Vertebrates; Water birds; Wings; *also* names of birds, e. g. Canaries, Eagles, Ostriches, Parrots, Pigeons, Robins, Sparrows

— **Fossil**

— **Migration**

*See also* Animals — Migration

— **Protection**

*See also* Audubon societies; Game laws; Game protection

— **Song**

— **Stories**

— **U. S.**

— **Useful and injurious**

Birds and agriculture *see* Birds, Useful and injurious

**Birds' eggs**

*See also* Birds

Birds' nests *see* Nests

**Birth rate**

*See also* Vital statistics

Birth records *see* Vital records

**Birth stones**

**Birthday books**

**Birthdays**

*See also* Anniversaries; Birthday books

**Bishops**

*See also* Apostolic succession; Archbishops; Catholic church — Clergy; Church of England — Clergy; Church polity; Episcopacy; Methodist Episcopal church — Clergy; Ordination; Protestant Episcopal church in the U. S. — Clergy

**Bison**

*See also* Ungulata

Bites, Venomous, *see* Venom

Bitumen *see* Asphalt

Bituminous coal *see* Coal

**Bivalves**

*See also* Mollusks; Oysters

Black art *see* Witchcraft

*Refer from* Birds; Holidays

*Refer from* Animals; Birds' eggs; Canaries; Eagles; Flight; Nature study; Nests; Ornithology (s); Ostriches; Parrots; Pigeons; Robins; Sparrows; Vertebrates; Water birds; Wings; Zoology

*Refer from* Paleontology

*Refer from* Animals — Migration; Migration of birds (s)

*Refer from* Protection of birds (s)

*Refer from* Bird-song (s); Song of birds (s)

*Refer from* Animals — Stories

*Refer from* U. S. — Birds (s); U. S. — Ornithology (s); Zoology — U. S.

*Refer from* Agricultural pests; Agriculture; Birds and agriculture (s); Zoology, Economic

*Refer from* Birds; Eggs; Nests; Oology (s)

*Refer from* Children; Population; Vital statistics

*Refer from* Charms; Natal stones (s); Precious stones

*Refer from* Birthdays

*Refer from* Anniversaries; Days

*Refer from* Apostolic succession; Archbishops; Catholic church — Biography; Catholic church — Clergy; Christian biography; Church of England — Biography; Church of England — Clergy; Episcopacy; Methodist Episcopal church; Protestant Episcopal church in the U. S. — Clergy.

*Refer from* Buffalo, American (s); Ungulata

*Refer from* Acephala (s); Lamellibranchiata (s); Mollusks; Oysters



**Black death**

*See also* London — Epidemics; Plague

**Black Hawk war, 1832**

*See also* Illinois — History; Indians — Wars; U. S. — History — 1815-1861

Black lead *see* Graphite

**Blackfoot Indians**

*See also* Algonquian Indians

**Blacking****Blacklisting**

*See also* Boycott; Employers' associations

**Blacksmithing**

*See also* Forging; Horseshoeing; Ironwork; Welding

**Blankets**

*See also* Indians — Industries

**Blast furnaces**

*See also* Blowing engines; Cast iron; Cupola furnaces; Slag

**Blasting**

*See also* Explosives; Mines, Military; Mining engineering; Quarries and quarrying

**Bleaching**

*See also* Cleaning; Drying; Dyes and dyeing

Bleeding *see* Bloodletting; Hemorrhage

**Blind**

*See also* Color blindness; Defectives

**—Asylums and education****—Books for the**

Blindness *see* Blind

Blizzards *see* Storms

**Block books**

*See also* Printing; Wood engraving

Block signal system *see* Railroads — Signals

**Blockade**

*See also* International law; Neutrality

**Blood**

*See also* Arteries; Blood vessels; Bloodletting; Heart; Hemorrhage; Physiological chemistry; Physiology; Sphygmograph; Veins

**Blood vessels**

*See also* Arteries; Blood; Heart; Vascular system; Veins

**Bloodletting**

*See also* Cupping

Blowers *see* Fans, Mechanical

**Blowing engines**

*See also* Blast furnaces

*Refer from* Contagion and contagious diseases; England — History — Plantagenets; Epidemics; London — Epidemics; Medicine — Practice; Plague

*Refer from* Illinois — History; Indians — Wars; U. S. — History — 1815-1861

*Refer from* Algonquian Indians

*Refer from* Boots and shoes; Leather

*Refer from* Boycott; Employers' associations; Labor laws; Labor unions; Strikes and lock-outs

*Refer from* Forge work (s); Forging; Horseshoeing; Industrial arts; Ironwork

*Refer from* Indians — Industries; Textile industry and fabrics; Weaving

*Refer from* Blowing engines; Furnaces; Iron; Metallurgy; Slag; Smelting; Tuyeres (s)

*Refer from* Civil engineering; Engineering; Explosives; Mines, Military; Mining engineering; Quarries and quarrying; Stone; Tunnels

*Refer from* Cleaning; Dyes and dyeing; Textile industry and fabrics

*Refer from* Blindness (s); Defectives; Eye; Eye — Diseases and defects; Sight

*Refer from* Asylums; Charities; Charities, Medical; Education; Homes (institutions) (s)

*Refer from* Books for the blind (s)

*Refer from* Bibliography; Books; Incunabula; Printing; Wood engraving; Xylography (s)

*Refer from* International law; Naval art and science; Neutrality; War

*Refer from* Arteries; Blood vessels; Circulation of the blood (s); Hæmatology (s); Heart; Hematology (s); Pathology; Physiological chemistry; Physiology; Vascular system; Veins

*Refer from* Arteries; Blood; Heart; Vascular system; Veins

*Refer from* Bleeding (s); Blood; Cupping; Hemorrhage; Phlebotomy (s); Surgery; Therapeutics; Venesection (s)

*Refer from* Blast furnaces; Engines; Mechanical draft

✓ 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

**Blowpipe**

*See also* Assaying; Chemistry — Analysis; Mineralogy; Welding

Blue glass cure *see* Phototherapy

Blue language *see* Bolak

**Blue laws**

*Refer from* Analysis (chemistry) (s); Assaying; Chemical apparatus; Chemistry — Analysis; Metals; Mineralogy; Welding

*Refer from* Connecticut — Law; Law; Puritans

**Blue prints**

*See also* Photography — Printing processes

*Refer from* Architectural drawing; Cyanotype (s); Photography; Photography — Printing processes

**Blunders**

*See also* Anecdotes; Errors, Popular; Errors and blunders, Literary

Boarding schools *see* Private schools

Boards of health *see* Health boards

**Boards of trade**

*See also* under names of cities

*Refer from* Anecdotes; Errors, Popular; Errors and blunders, Literary; Mistakes (s)

*Refer from* Business; Chambers of commerce (s); Commerce; Trade, Boards of (s)

Boat building *see* Boats and boating; Shipbuilding; Yachts and yachting

Boating *see* Boats and boating

**Boats and boating**

*See also* Aquatic sports; Canal boats; Canoes and canoeing; Fire boats; House boats; Ice boats; Lifeboats; Motor boats; Navigation; Rowing; Sailing; Ships; Skipjacks; Steam launches; Submarine boats; Torpedo boats; Yachts and yachting

Body, Human, *see* Anatomy; Physiology

Body and mind *see* Mind and body

Boer war, 1899–1902, *see* South African war, 1899–1902

*Refer from* Aquatic Sports; Boat building (s); Boating (s); Canoes and canoeing; Locomotion; Navigation; Rowing; Sailing; Shipbuilding; Ships; Sports; Yachts and yachting

**Boers**

*See also* South African war, 1899–1902; Transvaal

Bog fuel *see* Briquets; Peat

Bogs *see* Marshes

Bohemian brethren *see* Moravians

**Bohemian language**

*See also* Slavic languages

*Refer from* Transvaal

*Refer from* Czechic language (s); Slavic languages

**Bohemian literature**

*See also* Slavic literature

*Refer from* Czechic literature (s); Slavic literature

**Bohemianism**

*Refer from* Artists; City life; Manners and customs

**Bohemians in the U. S.**

*See also* Slavs in the U. S.

*Refer from* Slavs in the U. S.; U. S.—Foreign population

**Boiler explosions****Boiler scale**

*See also* Feed water

*Refer from* Accidents; Boilers; Explosions

*Refer from* Boilers; Chemistry, Technical; Feed water; Pipe

Boiler tests *see* Boilers — Testing

**Boilers**

*See also* Boiler explosions; Boiler scale; Feed water; Fuel; Injectors; Safety valves; Steam; Steam engines

*Refer from* Feed water; Furnaces; Heating; Injectors; Mechanical engineering; Power plants, Steam; Safety valves; Steam; Steam boilers (s); Steam engines

**—Marine**

*See also* Marine engineering; Marine engines

*Refer from* Marine boilers (s); Marine engineering; Marine engines; Naval boilers (s); Steam navigation; Steamboats

**—Testing**

*Refer from* Boiler tests (s); Testing (s)



✓ Bonds - Collateral,  
Depository  
Drainage  
Electric  
Forgery  
Government,  
Industrial  
Irrigation  
mortgage  
municipal  
Public service,  
Railroad,  
Real estate  
Road  
State  
street railway,  
Sundry,  
Timber,

**Boiling points**

*See also* Chemistry, Physical; Distillation

**Bolak****Boll weevil**

*See also* Cotton — Diseases and pests

**Bolts and nuts**

*See also* Machine design

✓ **Bond department**

Bond servants *see* Indentured servants

Bonding companies *see* Guaranties and sureties

✓ **Bonds**

*See also* Corporations; Debts, Public; Finance; Guaranties and sureties; Investments; Securities; Stocks

Bone black *see* Animal charcoal

**Bone implements**

*See also* Indians — Implements and weapons

**Bone products**

*See also* Animal charcoal; Animal products; Glue; Phosphates

**Bones**

*See also* Anatomy; Bone products; Dislocations; Fractures; Joints; Skeleton; Skull; Spine

**— Diseases**

Book auctions *see* Book prices; Booksellers and bookselling

**Book clubs****Book collecting**

*See also* Book rarities; Bookplates; Libraries, Private

**Book covers**

*See also* Bookbinding; Design, Decorative

**Book dedication**

Book illustration *see* Illustration of books

Book-making (betting) *see* Betting; Horse racing

Book-plates *see* Bookplates

**Book prices**

*See also* Booksellers and bookselling

**Book rarities**

*See also* Book collecting; Incunabula

Book repairing *see* Books — Repairing and preserving

**Book reviews**

*See also* Books and reading; Criticism; Literature — History and criticism

Book sales *see* Book prices; Booksellers and bookselling

Book shelves *see* Shelving (for books)

*Refer from* Chemistry, Physical; Heat; Liquids; Solution (chemistry); Temperature

*Refer from* Blue language (s); Language, Artificial; Langue bleue (s)

*Refer from* Cotton — Diseases and pests; Cotton-boll weevil (s); Mexican boll weevil (s); Mexican cotton-boll weevil (s); Weevils

*Refer from* Hardware; Machine design; Nuts (machinery) (s)

*Refer from* Contracts; Corporations; Finance; Guaranties and sureties; Investments; Municipal bonds (s); Municipal finance; Negotiable instruments; Securities; Stocks

*Refer from* Implements, utensils, etc.; Indians — Implements and weapons; Tools

*Refer from* Animal charcoal; Animal products; Bones; Glue; Phosphates

*Refer from* Anatomy; Dislocations; Fractures; Osteology (s); Skeleton; Surgery

*Refer from* Medicine — Practice

*Refer from* Clubs; Libraries

*Refer from* Bibliography; Bibliomania (s); Bibliophily (s); Book rarities; Collectors and collecting; Libraries; Libraries, Private

*Refer from* Bookbinding; Cover design (s); Design, Decorative

*Refer from* Authorship; Dedication of books (s)

*Refer from* Book auctions (s); Book sales (s); Booksellers and bookselling; Prices

*Refer from* Bibliography; Bibliography — Rare books (s); Book collecting; Incunabula; Rare books (s)

*Refer from* Appraisal of books (s); Books — Appraisal (s); Books and reading; Criticism; Evaluation of literature (s); Literature — History and criticism; Publishers and publishing; Reviews (s)



Book stacks *see* Shelving (for books)  
Book titles *see* Titles of books  
Book trade *see* Booksellers and bookselling;  
Publishers and publishing  
Book-worms *see* Bookworms  
**Bookbinding**  
*See also* Book covers; Marbling

Bookcases *see* Shelving (for books)

✓ **Bookkeeping**

*See also* Accounting; Auditing; Business education; Card system in business; Cost accounting; Municipal accounts  
Bookmaking (betting) *see* Betting; Horse racing

**Bookplates**

**Books**

*See also* Bibliography; Block books; Bookbinding; Bookplates; Books and reading; Booksellers and bookselling; Bookworms; Cataloging; Catalogs, Library; Chained books; Classification; Colophons; Copyright; Illumination of manuscripts and books; Illustration of books; Libraries; Literature; Manuscripts; Reference books; Printing; Prohibited books; Publishers and publishing; Shelving (for books); Textbooks; Title-pages; Titles of books; Writing; *also* headings beginning Book

—Appraisal, *see* Book reviews; Books and reading; Books and reading — Best books; Criticism; Literature — History and criticism

—**Repairing and preserving**

*See also* Bookworms

**Books and reading**

*See also* Bibliography; Book reviews; Books; Children's literature; Fiction in libraries; Libraries; Literature; Prohibited books; Reference books

—**Best books**

*See also* Children's literature

Books for the blind *see* Blind, Books for the

**Booksellers and bookselling**

*See also* Book prices; Catalogs, Booksellers'; Copyright; Publishers and publishing

Booksellers' catalogs *see* Catalogs, Book sellers'

Bookselling *see* Booksellers and bookselling

**Bookworms**

*See also* Books — Repairing and preserving

**Boomerangs**

Boone's trail *see* Wilderness road

**Boots and shoes**

*See also* Blacking; Leather; Shoemakers

*Refer from* Arts and crafts; Bibliography; Binding (s); Book covers; Books; Industrial arts; Library science

*Refer from* Accounting; Arithmetic, Commercial; Auditing; Business; Business education; Commerce

*Refer from* Bibliography; Book collecting; Book-plates (s); Books; Ex libris (s)

*Refer from* Bibliography; Books and reading; Copyright; Libraries; Literature; Paleography; Printing; Publishers and publishing; Writing

*Refer from* Book repairing (s); Bookworms

*Refer from* Appraisal of books (s); Bibliography; Book reviews; Books; Books — Appraisal (s); Choice of books (s); Education; Evaluation of literature (s); Libraries; Literature; Reading; Self-culture

*Refer from* Appraisal of books (s); Best books (s); Bibliography — Best books (s); Books — Appraisal (s); Evaluation of literature (s)

*Refer from* Biography; Book auctions (s); Book prices; Book sales (s); Book trade (s); Books; Bookselling (s); Commerce; Copyright; Literature; Publishers and publishing

*Refer from* Book-worms (s); Books; Books — Repairing and preserving; Insects, Injurious and beneficial

*Refer from* Arms and armor

*Refer from* Costume; Foot; Leather; Manufactures; Shoes (s)



**Bordeaux mixture**

*See also* Fungicides; Spraying  
Border life *see* Frontier and pioneer life

**Borders of Scotland**

**Boring**

*See also* Artesian wells; Rock drills;  
Shaft sinking

Boring (metal working, etc.) *see* Drilling  
(perforating)

**Boroughs**

*See also* Cities; Local government;  
Municipal corporations; Representative  
government and representation; Towns  
Bosjesmen *see* Bushmen

**Boss rule**

*See also* Graft; Political corruption

Bossism *see* Boss rule

**Boston massacre, 1770**

*See also* U. S. — History — Revolution —  
Causes

**Boston tea party, 1773**

*See also* U. S. — History — Revolution  
— Causes

Botanical chemistry *see* Plants — Chemistry  
and nutrition

**Botanical gardens**

*See also* Gardens; Parks

**Botanical museums**

Botanical nomenclature *see* Botany — Nomen-  
clature

**Botanical societies**

**Botanists**

*See also* Naturalists

Botanizing *see* Plants — Collection and pres-  
ervation

**Botany** [for systematic works and those dealing  
with botany as a science]

*See also* Alpine plants; Annuals (plants);  
Aquatic plants; Bacteriology; Biology;  
Botanists; Buds; Bulbs; Cells; Climbing  
plants; Color of flowers; Cryptogams;  
Desert vegetation; Evolution; Fertilization  
of plants; Floriculture; Flowers; Forests  
and forestry; Fossil plants; Fruit; Garden-  
ing; Geographical distribution of animals  
and plants; Hybridization; Insectivorous  
plants; Leaves; Medical botany; Mendel's  
law; Microscope and microscopy; Natural  
history; Nature study; Parasites; Phanero-  
gams; Plants; Seedlings; Seeds; Shrubs;  
Trees; Tropical plants; Variation (biology);  
Vegetables; Weeds; *also* headings beginning  
Botanical and Plant, and names of plants,  
and of divisions, orders, etc., of the vegetable  
kingdom; *also* names of cities, subhead  
Botany

—Agricultural, *see* Botany, Economic

—Anatomy, *see* Botany, Structural

*Refer from* Fungicides; Spraying

*Refer from* Scotland; Scottish borders (s);  
Scottish marches (s)

*Refer from* Artesian wells; Civil engineering;  
Diamond drilling (s); Drilling (earth and  
rock) (s); Engineering; Hydraulic engineering;  
Mining engineering; Rock drills; Shaft sink-  
ing; Wells

*Refer from* Cities; Local government; Mu-  
nicipal corporations; Representative govern-  
ment and representation; Towns

*Refer from* Bossism (s); Political bosses (s);  
Political corruption; Politics

*Refer from* Boston — History; Massacres;  
Massachusetts — History; U. S. — History —  
Revolution — Causes

*Refer from* Boston — History; Taxation —  
U. S.; Tea; U. S. — History — Revolution —  
Causes

*Refer from* Gardens; Parks

*Refer from* Museums

*Refer from* Scientific societies; Societies

*Refer from* Botany; Naturalists; Scientists

*Refer from* Annuals (plants); Biology; Buds;  
Cryptogams; Flora (s); Flowers; Gardening;  
Insectivorous plants; Leaves; Natural history;  
Nature; Nature study; Phanerogams; Plants;  
Science; Shrubs; Trees; Vegetable kingdom (s)



## **Botany—Continued**

### **—Classification**

*See also* Botany — Nomenclature

**—Ecology, see** Ecology

### **—Economic**

*See also* Agricultural products, and names of products; Forest products, and names of products; Grasses; Medical botany; Plants, Cultivated; Poisonous plants; Weeds

### **—Embryology**

*See also* Cells; Germination; Seeds

**—Fossil, see** Fossil plants

**—Geographic, see** Geographical distribution of animals and plants

**—Histology, see** Botany, Structural

### **—History**

**—Medical, see** Medical botany

**—Morphology, see** Botany, Structural

### **—Nomenclature**

**—Organography, see** Botany, Structural

**—Pathology, see** Plants — Diseases

### **—Physiology**

*See also* Botany — Embryology; Botany, Structural; Climbing plants; Color of flowers; Color of plants; Fermentation; Fertilization of plants; Galls (botany); Germination; Insectivorous plants; Metabolism; Phosphorescence; Plants — Chemistry and nutrition; Plants, Effect of chemicals on; Plants — Movements; Roots

### **—Structural**

*See also* Bark; Botany — Physiology; Cells; Flowers; Leaves; Roots; Seeds

### **—Study and teaching**

### **—U. S.**

Botany of the Bible *see* Bible — Natural history

### **Boulders**

*See also* Drift; Glaciers; Moraines

### **Boundaries**

*See also* Frontiers; Northeast boundary of the U. S.; Northwest boundary of the U. S.; *also* names of countries, states and cities, subhead Boundaries

### **Bounties**

*See also* Subsidies

### **—Military**

*See also* Recruiting and enlistment

*Refer from* Classification; Plants — Classification (s)

*Refer from* Agricultural botany (s); Agricultural products; Agriculture; Botany, Agricultural (s); Economic botany (s); Forest products; Medical botany; Plants, Useful (s)

*Refer from* Botany — Physiology; Cells; Embryology; Plant embryology (s); Seeds

*Refer from* Botanical nomenclature (s); Botany — Classification; Names; Nomenclature (s); Plant names (s); Plants — Names(s); Terminology (s)

*Refer from* Botany, Structural; Climbing plants; Color of flowers; Color of plants; Fertilization of plants; Germination; Insectivorous plants; Metabolism; Physiological botany (s); Physiology of plants (s); Plant physiology (s); Plants — Chemistry and nutrition; Plants — Habits (s); Plants — Movements; Plants — Physiology (s); Vegetable physiology (s)

*Refer from* Anatomy of plants (s); Bark; Botany — Anatomy (s); Botany — Histology (s); Botany — Morphology (s); Botany — Organography (s); Botany — Physiology; Cells; Histology; Leaves; Morphology; Morphology of plants (s); Organography (s); Plant anatomy (s); Plant morphology (s); Plants — Anatomy (s); Plants — Morphology (s); Roots; Structural botany (s); Wood

*Refer from* Natural history — U. S.; U. S. — Botany (s); U. S. — Flora (s)

*Refer from* Boulders (s); Drift; Erratics (s); Geology; Glaciers; Moraines

*Refer from* Frontiers; Geography; Geography, Political (s); History; International law

*Refer from* Compensation (s); Rewards (prizes, etc.); Subsidies

*Refer from* Military art and science; Military bounties (s); Pensions; Recruiting and enlistment



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**Bow** (music) *see* Stringed instruments; Violin

**Bow and arrow**

*See also* Archery; Arrowheads

Bowed instruments *see* Stringed instruments

Bowlders *see* Boulders

**Bowling**

Bows *see* Bow and arrow

**Box making**

**Boxers**

*See also* China — History; Eastern question (Far East); Missions — China

**Boxing**

Boy *see* Boys

Boy choirs *see* Choirs

**Boy scouts**

**Boycott**

*See also* Blacklisting; Consumers' leagues; Labor unions; Strikes and lockouts

**Boys**

*See also* Apprentices; Boy scouts; Boys' clubs; Child labor; Children; Education; Juvenile delinquency; Newsboys; School children; Truancy; Young men; Youth

**Boys' clubs**

*See also* Boy scouts

**Bracelets**

*See also* Jewelry

**Brachiopoda**

*See also* Invertebrates

Brachygraphy *see* Shorthand

**Brahmanism**

*See also* Buddhism; Caste; Hinduism; India — Religion; Vedanta; Vedas

Braidism *see* Hypnotism

**Brain**

*See also* Aphasia; Apoplexy; Dreams; Fatigue, Mental; Feeble-minded; Head; Idiocy; Insanity; Intellect; Memory; Mental diseases; Meningitis; Mind and body; Nervous system; Paralysis; Phrenology; Psychology; Psychometry; Sleep; Trephining

**Brakes**

*See also* Air brakes; Safety devices

**Brandy**

*See also* Distillation; Liquors

**Brass**

*See also* Alloys; Brasses

Brass instruments *see* Wind instruments

**Brasses**

Bravery *see* Courage

Brazing *see* Solder and soldering

**Bread**

*See also* Baking; Cookery; Flour and flour mills

Breadstuffs *see* Grain

Breakfast foods *see* Cereals, Prepared

*Refer from* Archery; Arms and armor; Arrowheads; Arrows (s); Bows (s)

*Refer from* Games; Ten pins (s); Tenpins (s)

*Refer from* Manufactures

*Refer from* China — History; Eastern question (Far East); Missions — China; Secret societies

*Refer from* Athletics; Fighting (s); Prize fighting (s); Pugilism (s); Sparring (s); Sports

*Refer from* Boys; Boys' clubs; Scouts and scouting

*Refer from* Blacklisting; Labor and capital; Labor laws; Labor unions; Strikes and lockouts

*Refer from* Boy (s); Children; Conduct of life; Young men; Young people (s); Youth

*Refer from* Boys; Clubs; Social settlements

*Refer from* Jewelry

*Refer from* Invertebrates; Marine zoology

*Refer from* Buddhism; Caste; Hinduism; India — Religion; Religions

*Refer from* Head; Insanity; Intellect; Mental diseases; Mental physiology (s); Mind and body; Nervous system; Physiology; Psychology; Psychology, Physiological; Skull

*Refer from* Air brakes; Railroads; Railroads — Equipment and supplies; Safety devices

*Refer from* Alcohol; Distillation; Liquors

*Refer from* Alloys; Copper; Metals; Sheet-metal work; Zinc

*Refer from* Archaeology; Art; Brass; Epitaphs; Inscriptions; Metal work; Monumental brasses (s); Monuments; Tombs

*Refer from* Baking; Cookery; Food



**Breakfasts**

*See also* Cereals, Prepared; Cookery; Menus

**Breakwaters**

*See also* Civil engineering; Jetties; Piles and pile driving

**Breathing**

*See also* Chest; Lungs; Physiology; Respiratory organs; Singing and voice culture; Voice; Yawning

**Breeding**

*See also* Domestic animals; Eugenics; Heredity; Hybridization; Live stock; Mendel's law; Plant breeding

Breton club *see* Jacobins

**Breviaries**

*See also* Catholic church — Liturgy and ritual; Liturgies

**Brewing**

*See also* Ale; Beer; Chemistry, Technical; Enzymes; Liquors; Malt

**Bribery**

*See also* Graft; Political corruption

**Bric-a-brac**

*See also* Decoration and ornament; Pottery

**Bricklaying**

*See also* Masonry

**Bricks**

*See also* Bricklaying; Building materials; Clay; Clay industries; Masonry; Pavements; Tiles

Bridal customs *see* Marriage customs and rites; Weddings

Bridge (game) *see* Bridge whist

**Bridge whist**

*See also* Cards; Whist

**Bridges**

*See also* Arches; Cables; Civil engineering; Culverts; Drawbridges; Girders; Graphic statics; Masonry; Military bridges; Strains and stresses; Trestles; Trusses; *also* names of cities, subhead Bridges

**— Foundations and piers**

*See also* Caissons; Cofferdams

**Brigands and robbers**

*See also* Dacoits; Outlaws; Thieves; Thugs

**Briquets**

*See also* Fuel

**Briticisms****British in India**

*See also* Eastern question (Central Asia); India — History

British literature *see* English literature; Irish literature; Scottish literature

*Refer from* Cookery; Eating; Home economics; Meals (s); Menus; Table

*Refer from* Civil engineering; Engineering; Harbors; Hydraulic engineering; Jetties; Piles and pile driving

*Refer from* Lungs; Physiology; Respiration (s); Respiratory organs; Singing and voice culture

*Refer from* Animals — Breeding (s); Cattle; Domestic animals; Heredity; Live stock; Stock breeding (s); Thremmatology (s)

*Refer from* Catholic church — Breviaries (s); Catholic church — Liturgy and ritual; Liturgies; Prayer books

*Refer from* Ale; Beer; Chemistry, Technical; Fermentation; Industrial arts; Liquor traffic; Liquors; Malt

*Refer from* Crime and criminals; Elections; Graft; Political corruption; Political ethics

*Refer from* Art; Decoration and ornament; House decoration; Pottery

*Refer from* Bricks; Building; Masonry

*Refer from* Building materials; Clay; Clay industries; Masonry; Pavements; Tiles

*Refer from* Bridge (game) (s); Cards; Whist

*Refer from* Arches; Architecture; Civil engineering; Culverts; Drawbridges; Engineering; Girders; Graphic statics; Masonry; Railroad bridges (s); Railroads; Railroads — Construction; Steel construction; Strains and stresses; Suspension bridges (s); Trestles; Trusses; Viaducts (s)

*Refer from* Caissons; Cofferdams; Foundations; Hydraulic engineering; Piers (s)

*Refer from* Banditti (s); Biography; Crime and criminals; Highwaymen (s); Kidnapping; Outlaws; Robbers (s); Thieves

*Refer from* Bog fuel (s); Coal; Fuel; Lignite; Peat

*Refer from* English language; English language — Dialects; Idioms, English; Slang

*Refer from* English in India (s); India — History



**British museum**

British poetry *see* English poetry; Irish poetry;  
Scottish poetry

**Britons**

*See also* Celts; Druids; England — History  
— To 1066

Broadsword *see* Swords

**Brokers and factors**

*See also* Agency, Stock exchange

**Bronchitis**

*See also* Cough; Respiratory organs —  
Diseases; Throat

**Bronze**

*See also* Alloys; Bronzes; Bronzing

**Bronze age**

*See also* Archaeology; Copper age

**Bronzes**

**Bronzing**

*See also* Metal coloring

**Brooches**

*See also* Jewelry

**Brook Farm**

Brook life *see* Fresh-water life

Brook trout *see* Trout

Broom drill *see* Drills and marches

**Brooms and brushes**

**Brotherhoods**

*See also* Monasticism; Religious orders

Brothers of Christ *see* Christadelphians

**Brownists**

*See also* Congregationalism; Dissenters;  
Pilgrim fathers

Brushes *see* Brooms and brushes

Brutes *see* Animals — Treatment; Zoology

Bryology *see* Mosses

Bryophytes *see* Cryptogams; Mosses

Bryozoa *see* Polyzoa

Bubbles, Soap, *see* Soap bubbles

Bubonic plague *see* Plague

**Buccaneers**

*See also* Filibusters; Pirates

Bucket shops *see* Speculation

Bucolic poetry *see* Pastoral poetry

Buddha *see* Buddhism

**Buddhism**

*See also* Brahmanism; Hinduism; India —  
Religion; Lamaism; Theosophy

— Esoteric, *see* Theosophy

Budget *see* names of countries and cities,  
subhead Finance

**Buds**

*See also* Botany

Buffalo, American, *see* Bison

*Refer from* London — Galleries and mu-  
seums; London — Libraries

*Refer from* Celts; Druids; England —  
History — To 1066

*Refer from* Agency; Agents (s); Commercial  
law; Factors (s); Stock exchange

*Refer from* Cold (disease); Cough; Medicine  
— Practice; Respiratory organs — Diseases;  
Throat

*Refer from* Alloys; Copper; Metals; Tin

*Refer from* Archaeology; Copper age  
*Refer from* Archaeology; Art; Bronze;  
Decoration and ornament; Metal work;  
Sculpture

*Refer from* Bronze; Decoration and orna-  
ment; Metal coloring; Plating

*Refer from* Jewelry

*Refer from* Communism; Cooperation;  
Transcendentalism

*Refer from* Brushes (s); Sweeping

*Refer from* Church polity; Monasticism;  
Religious orders

*Refer from* Congregationalism; Dissenters;  
Pilgrim fathers; Sects

*Refer from* Filibusters; Freebooters (s);  
Naval battles; Naval history; Pirates; Voy-  
ages and travels; West Indies — History

*Refer from* Brahmanism; Buddha (s);  
China — Religion; Confucianism; Hinduism;  
India — Religion; Lamaism; Monasticism;  
Religions

*Refer from* Botany; Flowers

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**Bugle calls**

*See also* Military music

Bugs *see* Hemiptera; Insects

Buhlwork *see* Inlay

**Building**

*See also* Acoustics of buildings; Arches; Architecture; Bricklaying; Building materials; Building stones; Carpentry; Ceilings; Chimneys; Civil engineering; Concrete construction; Doors; Engineering; Fire escapes; Fireproof construction; Floors; Foundations; Girders; Graphic statics; Hardware; Heating; House painting; Masonry; Plaster and plastering; Plumbing; Roofs; Sanitary engineering; Scaffolding; Shoring and underpinning; Skylights; Stair building; Steel construction; Strains and stresses; Strength of materials; Trusses; Vaulting; Ventilation; Walls; Windows

— **Contracts and specifications**

— **Estimates**

— Materials, *see* Building materials

— Specifications, *see* Building — Contracts and specifications

✓ **Building and loan associations —**

*See also* Benefit societies

Building contracts *see* Building — Contracts and specifications

**Building laws**

*See also* Fire escapes; Fireproof construction; Tenement houses

**Building materials**

*See also* Bricks; Building stones; Cement; Concrete; Concrete, Reinforced; Fireproof construction; Glass; Iron; Plaster and plastering; Steel; Stone; Stone, Artificial; Strength of materials; Stucco; Terra cotta; Tiles; Timber; Wood

**Building stones**

*See also* Building materials; Geology, Economic; Granite; Limestone; Marble; Masonry; Quarries and quarrying; Sandstone; Slate; Stone; Stonecutting

Buildings, Dampness in, *see* Dampness in buildings

Buildings, Portable, *see* Portable buildings

Buildings, Public, *see* Public buildings

**Bulbs**

*See also* Floriculture

**Bulkheads**

*See also* Shipbuilding

Bull fights *see* Bullfights

Bulletins, Library, *see* Library bulletins

Bullets *see* Projectiles

**Bullfights**

*See also* Mexico — Social life and customs; Spain — Social life and customs

Bullion *see* Coinage; Money; Precious metals

*million reports*

*Refer from* Military art and science; Military music; Signals; Trumpet calls (s)

*Refer from* Arches; Architecture; Carpentry; Civil engineering; Construction (s); Engineering; Floors; Foundations; Girders; Industrial arts; Masonry; Plaster and plastering; Roofs; Scaffolding; Shoring and underpinning; Steel construction; Strains and stresses; Strength of materials; Trusses; Walls

*Refer from* Building — Specifications (s); Building contracts (s); Contracts; Specifications (building) (s)

*Refer from* Estimates (s)

*Refer from* Banks and banking; Benefit societies; Cooperation; Cooperative banks (s); Cooperative building associations (s); Corporations; Investments; Loan associations (s); Provident loan associations (s); Savings banks

*Refer from* Fireproof construction; Hygiene, Public; Law; Municipal improvement

*Refer from* Architecture; Bricks; Building; Building — Materials (s); Building stones; Cement; Concrete; Concrete, Reinforced; Engineering; Engineering materials (s); Strength of materials; Timber

*Refer from* Building; Building materials; Geology, Economic; Granite; Limestone; Marble; Masonry; Quarries and quarrying; Sandstone; Stone; Stonecutting; Stones (s)

*Refer from* Botany; Floriculture

*Refer from* Shipbuilding; Steamboats

*Refer from* Bull fights (s); Fighting (s); Mexico — Social life and customs; Spain — Social life and customs; Sports





**Bulls, Papal**  
*See also* Popes

**Bungalows**

**Bunker Hill, Battle of**  
*See also* U. S. — History — Revolution

**Buoys**

**Bureaucracy**

**Burglary**  
*See also* Larceny

**Burial**  
*See also* Catacombs; Cemeteries; Cremation; Embalming; Epitaphs; Funeral rites and ceremonies; Monuments; Mounds and mound builders; Mummies; Sarcophagi; Tombs; Urn burial

—Premature

Buried treasure *see* Treasure-trove

**Burlesques**  
*See also* Comedy; Parodies

Burning the dead *see* Cremation

**Burns and scalds**  
*See also* First aid in illness and injury

Burnt leather *see* Pyrography

Burnt wood work *see* Pyrography

Burying grounds *see* Burial; Cemeteries

**Bushmen**

✓ **Business**  
*See also* Accounting; Advertising; Auctions; Auditing; Boards of trade; Book-keeping; Business depression; Business education; Business ethics; Card system in business; Cash registers; Commerce; Commercial law; Commercial travelers; Competition; Corporations; Credit; Department stores; Economics; Exchange; Finance; Forms (in law); Instalment plan; Joint-stock companies; Mail order business; Manufactures; Markets; Merchants; Money; Occupations; Office supplies; Panics; Peddlers and peddling; Profession, Choice of; Profit; Promoting; Prosperity; Real estate business; Salesmanship; Scientific management; Signs; Stock exchange; Success; Trust companies; Warehouses; Wealth; Window dressing

Business arithmetic *see* Arithmetic, Commercial

Business correspondence *see* Commercial correspondence

✓ **Business depression**  
*See also* Panics

*Refer from* Catholic church; Papal bulls (s); Popes

*Refer from* Architecture, Domestic; Architecture, Rural (s); Cottages; Country houses; Rural architecture (s)

*Refer from* U. S. — History — Revolution — Campaigns and battles

*Refer from* Bell buoys (s); Harbors; Navigation

*Refer from* Civil service; Government

*Refer from* Crime and criminals; Larceny; Thieves

*Refer from* Archæology; Burying grounds (s); Cemeteries; Christian antiquities; Death; Funeral rites and ceremonies; Graves (s); Hygiene, Public; Interment (s); Manners and customs; Mortuary customs (s); Sepulture (s); Tombs

*Refer from* Premature burial (s); Suspended animation

*Refer from* Comedy; Humor; Parodies

*Refer from* Accidents; First aid in illness and injury; Scalds (s)

*Refer from* Bosjesmen (s); Ethnology — Africa; Hottentots

*Refer from* Accounting; Advertising; Commerce; Commercial law; Economics; Industrial arts; Merchants; Money; Occupations; Profession, Choice of; Salesmanship; Stores (s); Success; Trade (s); Wealth

*Refer from* Business; Commerce; Commercial crises (s); Crises, Commercial (s); Economics; Finance; Hard times (s); Industrial depression (s); Panics; Prosperity



**Business education**

*See also* Accounting; Bookkeeping; Commercial correspondence; Commercial law; Penmanship; Shorthand; Typewriting

**Business ethics**

*See also* Competition; Honesty; Honor; Wealth

Business law *see* Commercial law

**Busy work**

*See also* Cardboard construction; Paper work

Butchering *see* Slaughtering and slaughter-houses

**Butter**

*See also* Dairy products; Dairying; Oleo-margarine

**Butterflies**

*See also* Caterpillars; Lepidoptera

**Buttons**

By-products *see* Waste products

**Byzantine empire**

*See also* Constantinople; Middle ages — History

**Cabala**

*See also* Occult sciences

Cabbala *see* Cabala

Cabinet organ *see* Reed organ

**Cabinet system****Cabinet work**

*See also* Decoration and ornament; Furniture; Turning

Cabins, Log, *see* Log cabins

Cable codes *see* Telegraph codes

**Cable railroads**

*See also* Mountain railroads

**Cables**

*See also* Cable railroads; Cableways; Chains; Electric cables; Rope; Wire

—Submarine

**Cableways**

*See also* Conveying machinery; Suspended railways; Telferage

Cabs *see* Carriages

Caesarism *see* Despotism; Imperialism

Caesars *see* Roman emperors

Cafés *see* Restaurants

Caffres *see* Kafirs

**Cage birds**

*See also* Canaries

*Refer from* Bookkeeping; Business; Commercial education (s); Commercial schools (s); Education

*Refer from* Business; Commercial ethics (s); Conduct of life; Ethics; Ethics, Commercial (s); Honesty; Honor; Merchants

*Refer from* Children; Education, Elementary; Manual training; Seat work in schools (s); Teaching

*Refer from* Dairy products; Dairying; Food; Milk

*Refer from* Caterpillars; Lepidoptera

*Refer from* Clothing; Manufactures

*Refer from* Constantinople; Eastern empire (s); Greek empire (s); Middle ages — History; Rome — History — Empire; Turkey — History

*Refer from* Cabbala (s); Hebrew literature; Jewish literature; Jews — Religion; Kabala (s); Kabbala (s); Mysticism; Occult sciences; Theosophy

*Refer from* Constitutional history; Government; Representative government and representation

*Refer from* Carpentry; Decoration and ornament; Furniture; Industrial arts; Woodwork

*Refer from* Cables; Mountain railroads; Railroads; Railroads, Cable (s); Street railroads

*Refer from* Bridges; Manufactures; Power transmission; Rope; Wire

*Refer from* Atlantic cable (s); Electric cables; International law; Pacific cable (s); Submarine cables (s); Submarine telegraph (s); Telegraph; Telegraph, Submarine (s)

*Refer from* Cables; Conveying machinery; Ropeways (s); Suspended railways; Telferage

*Refer from* Birds; Canaries; Domestic animals; Pets

California

**Caisson disease**

**Caissons**

*See also* Bridges — Foundations and piers; Caisson disease; Compressed air; Foundations

**Cake**

*See also* Baking

**Calculating machines**

*See also* Slide rule; Tabulating machines

Calculation — Aids, *see* Calculating machines; Mathematics — Tables, etc.; Ready-reckoners

Calculators *see* Calculating machines; Ready-reckoners

**Calculus**

*See also* Algebra; Curves; Equations; Functions

**Calendar**

*See also* Christian year; Chronology; Time; Year

**Calendars**

*See also* Almanacs; Daily readings; Yearbooks

**Calico printing**

*See also* Dyes and dyeing; Textile design

Califs *see* Caliphs

**Caliphs**

*See also* Bagdad; Mohammedanism

Calisthenics *see* Gymnastics; Physical education

Calligraphy *see* Penmanship

Callisthenics *see* Gymnastics; Physical education

Caloric *see* Heat

Caloric engines *see* Air engines

**Calorimeters and calorimetry**

*See also* Animal heat; Heat

Calumny *see* Libel and slander

**Calvinism**

*See also* Antinomianism; Arminianism; Congregationalism; New England — Religious history; Orthodoxy; Predestination; Presbyterianism; Puritans

Cambistry *see* Arithmetic, Commercial; Foreign exchange; Weights and measures

Cambrian period *see* Geology, Stratigraphic — Cambrian; Paleontology — Cambrian

**Cameos**

*See also* Gems

**Cameras**

*See also* Photography

**Camisards**

*See also* Cévennes; France — Religious history; Huguenots

*Refer from* Caissons; Compressed air; Compressed air disease (s); Occupations — Diseases and hygiene

*Refer from* Bridges — Foundations and piers; Foundations; Hydraulic engineering

*Refer from* Baking; Cookery

*Refer from* Arithmetic; Arithmetic, Commercial; Calculation — Aids (s); Calculators (s); Machinery; Mathematical instruments; Mathematics

*Refer from* Algebra; Analysis (mathematics) (s); Differential calculus (s); Fluxions (s); Functions; Infinitesimal calculus (s); Integral calculus (s); Mathematics; Variations (calculus) (s)

*Refer from* Astronomy; Chronology; Gregorian calendar (s); Time; Year

*Refer from* Almanacs; Yearbooks

*Refer from* Dyes and dyeing; Printing; Textile industry and fabrics

*Refer from* Califs (s); Kalifs (s); Khalifs (s); Kings and rulers; Mohammedanism; Saracens; Sovereigns (s)

*Refer from* Fuel; Heat; Steam engines; Thermometer

*Refer from* Congregationalism; New England — Religious history; Orthodoxy; Predestination; Presbyterianism; Theology

*Refer from* Carving (art industries); Gems; Jewelry

*Refer from* Photography

*Refer from* Cévennes; France — Religious history; Huguenots

Canada - Statistics  
Canada - Statistics  
Canada - Statistics  
Canada - Statistics  
Canada - Money - Paper money  
Canada - Politics  
Canada - Politics

**Camorra**

*See also* Italy — Politics; Mafia

**Camp meetings****Campagna di Roma****Campaign funds****Campaign literature**

*See also* Silver (as money); Tariff question; U. S. — Politics

**Campaign songs**

Campaigns, Presidential, *see* Elections — U. S.; Presidents — U. S. — Election

Campanology *see* Bells

Campbellites *see* Disciples of Christ

**Camping**

*See also* Outdoor life; Tents

**Camps (military)**

*See also* Concentration camps

**Cams**

*See also* Machine design

**Canada — History**

——— **To 1763 (New France)**

*See also* French and Indian war; French in America

——— **1763-1867**

*See also* Canada — History — Rebellion, 1837-1838

——— **Rebellion, 1837-1838**

*See also* Canada — History — 1763-1867

——— **1867-**

*See also* Fenians (society)

**Canadian literature**

*See also* Canadian poetry

Canadian Northwest *see* Northwest, Canadian  
**Canadian poetry**

*See also* Canadian literature

Canadian rebellion, 1837-1838, *see* Canada — History — Rebellion, 1837-1838

**Canadians in the U. S.****Canal boats**

Canal locks *see* Canals — Locks

**Canals**

*See also* Aqueducts; Canal boats; Civil engineering; Embankments; Hydraulic engineering; Inland navigation; Irrigation canals; Ship canals; Waterways; *also* names of canals, e.g. Panama canal

——— **Locks**

——— **U. S.**

*See also* Waterways — U. S.

*Refer from* Crime and criminals — Italy; Italy — Politics; Mafia; Naples; Secret societies

*Refer from* Revivals

*Refer from* Italy — Description and travel; Roman Campagna (s); Rome (city) — Campagna (s)

*Refer from* Civil service; Elections; Elections — U. S.; Political corruption; Political parties; Politics; Publicity; U. S. — Politics

*Refer from* Political parties; Politics; U. S. — Politics

*Refer from* Political songs (s); Songs; Songs, American [etc.]

*Refer from* Amusements; Country life; Outdoor life; Sports; Tents; Vacations

*Refer from* Military art and science

*Refer from* Machine design; Mechanical movements

*Refer from* French in America; New France (s)

*Refer from* Canada — History — Rebellion, 1837-1838

*Refer from* Canada — History — 1763-1867; Canadian rebellion, 1837-1838 (s); French-Canadians

*Refer from* Fenians (society)

*Refer from* American literature; Canadian poetry; English literature; French-Canadian literature (s)

*Refer from* American poetry; Canadian literature; English poetry

*Refer from* U. S. — Foreign population

*Refer from* Boats and boating; Canals

*Refer from* Civil engineering; Commerce; Engineering; Hydraulic engineering; Inland navigation; Transportation; Water supply; Waterways

*Refer from* Canal locks (s); Locks (canals) (s)

*Refer from* U. S. — Canals (s); Waterways — U. S.





**Canaries**

*See also* Birds; Cage birds

**Cancer****Candles****Candlesticks**

Candy *see* Confectionery

Caning of chairs *see* Chair caning

Canned food *see* Canning and preserving;  
Packing industry

**Cannibalism**

*See also* Africa — Description and travel;  
Polynesia

**Canning and preserving**

*See also* Cookery; Food preservation and  
preservatives

Cannon *see* Guns; Ordnance

Canoeing *see* Canoes and canoeing

**Canoes and canoeing**

*See also* Boats and boating

Canon (Bible) *see* Bible — Canon

**Canon (music)**

*See also* Counterpoint; Fugue; Musical  
form

Canon law *see* Church law

**Canonization**

*See also* Saints

Canons, Apostolic, *see* Apostolic canons

**Cantatas****Canteens (army)****Canterbury cathedral**

*See also* Cathedrals — England

Canticles *see* Bible — Old Testament — Song  
of Solomon

Caoutchouc *see* Rubber

Cap and gown *see* Costume, Academic

**Capillarity**

*See also* Hydrostatics; Liquids; Splashes

**7 Capital**

*See also* Banks and banking; Capitalists  
and financiers; Commerce; Economics;  
Interest; Investments; Labor and capital;  
Money; Monopolies; Profit; Trusts; Wealth

Capital and labor *see* Labor and capital

**Capital punishment**

*See also* Electrocution; Executioners;  
Guillotine; Lynch law

**Capitalists and financiers**

*See also* Millionaires

**Capitalization**

*See also* Cataloging

Capitalization (finance) *see* Corporations;  
Promoting; Railroads — Finance; Securities  
Caps and gowns *see* Costume, Academic

*Refer from* Birds; Cage birds

*Refer from* Carcinoma (s); Medicine —  
Practice; Tumors

*Refer from* Lighting; Manufactures

*Refer from* Furniture; House decoration

*Refer from* Anthropophagy (s); Ethnology;  
Food; Man; Manners and customs

*Refer from* Canned food (s); Cookery;  
Domestic arts; Food preservation and pre-  
servatives; Fruit; Industrial arts; Preserv-  
ing (s)

*Refer from* Aquatic sports; Boats and boat-  
ing; Canoeing (s); Navigation; Rowing;  
Sailing; Sports

*Refer from* Composition (music); Counter-  
point; Fugue; Music — Theory; Musical  
form

*Refer from* Catholic church; Church history;  
Rites and ceremonies; Saints

*Refer from* Music; Oratorios

*Refer from* Army canteens (s); Liquor prob-  
lem; Liquor traffic; Temperance; U. S. — Army

*Refer from* Canterbury, Eng.; Cathedrals —  
England

*Refer from* Hydrostatics; Liquids; Matter;  
Physics

*Refer from* Commerce; Economics; Finance;  
Income; Labor and capital; Money; Monopo-  
lies; Profit; Property; Trusts; Wealth

*Refer from* Crime and criminals; Criminal  
law; Death penalty (s); Ethics; Executions (s);  
Hanging (s); Murder; Punishment

*Refer from* Biography; Capital; Finance;  
Financiers (s); Millionaires; Wealth

*Refer from* Cataloging; Printing; Writing



Captivity among the Indians *see* Indians —  
Captivities

**Capuchins**

*See also* Franciscans; Monasticism

Car building *see* Cars

**Car couplings**

**Car heating, lighting and ventilation**

Car lighting *see* Car heating, lighting and  
ventilation

Car shops *see* Railroads — Shops

Car ventilation *see* Car heating, lighting and  
ventilation

**Car wheels**

Carbines *see* Rifles

**Carbon**

*See also* Charcoal; Chemistry, Organic;  
Coal; Coke; Diamonds; Electric light car-  
bons; Graphite

**Carbonari**

*See also* Italy — History — 1815-; Italy  
— Politics

Carboniferous period *see* Geology, Strati-  
graphic — Carboniferous; Paleontology —  
Carboniferous

Carbons (electric light) *see* Electric light  
carbons

Carcinoma *see* Cancer; Tumors

Card catalogs *see* Catalogs, Card

**Card system in business**

*See also* Accounting; Catalogs, Card

**Cardboard construction**

**Cardinals**

*See also* Catholic church — Clergy

**Cards**

*See also* Bezique; Bridge whist; Cribbage;  
Euchre; Fortune telling; Gambling; Games;  
Poker; Skat (game); Solitaire; Whist

**Caricature and cartoons**

*See also* Humor; Mimicry; Satire

**Carlists**

*See also* Spain — History — 1700-

**Carmelites**

**Carnations**

*See also* Floriculture

Carnivals *see* Festivals

**Carnivora**

*See also* Bears; Cats; Dogs; Foxes; Lions;  
Mammals; Seals (animals); Tigers; Wolves

Carnivorous plants *see* Insectivorous plants

**Carols**

*See also* Ballads; Songs

Carpenters' square *see* Square (instrument)

*Refer from* Franciscans; Monasticism

*Refer from* Cars; Couplings (s); Railroads —  
Equipment and supplies; Safety devices

*Refer from* Car lighting (s); Car ventila-  
tion (s); Cars; Heating; Lighting; Railroads  
— Equipment and supplies; Ventilation

*Refer from* Cars; Wheels

*Refer from* Chemical elements; Chemistry,  
Organic

*Refer from* Italy — History — 1815-; Italy  
— Politics; Secret societies

*Refer from* Accounting; Bookkeeping; Busi-  
ness; Catalogs, Card; Drafting room practice;  
Indexes; Office supplies

*Refer from* Busy work; Kindergarten;  
Manual training

*Refer from* Catholic church — Biography;  
Catholic church — Clergy; Christian biogra-  
phy; Church polity

*Refer from* Amusements; Bezique; Bridge  
whist; Cribbage; Entertaining; Euchre; For-  
tune telling; Gambling; Games; Playing-  
cards (s); Poker; Skat (game); Whist

*Refer from* Art; Cartoons (s); Drawing;  
Grotesque; Humor; Illustration of books;  
Journalism; Mimicry; Pictures; Satire

*Refer from* Spain — History — 1700-

*Refer from* Nuns; Sisterhoods

*Refer from* Floriculture; Flowers

*Refer from* Bears; Beasts of prey (s);  
Cats; Dogs; Foxes; Lions; Mammals; Seals  
(animals); Tigers; Wolves

*Refer from* Christmas; Christmas carols (s);  
Christmas poetry; Church music; Easter;  
Folk songs; Music; Songs



**Carpentry**

*See also* Building; Cabinet work; Cars; Doors; Floors; Lathes; Moldings; Railings; Roofs; Rustic woodwork; Scaffolding; Slide rule; Square (instrument); Stair building; Tools; Turning; Wood carving; Woodwork; Woodworking machinery

Carpetbag rule *see* Reconstruction

**Carpets**

*See also* House decoration; Linoleum; Rugs; Sweeping; Weaving

**Carriage painting**

*See also* Painting, Mechanical

**Carriages**

*See also* Ambulances; Automobiles; Chariots; Coaches and coaching; Omnibuses; Vehicles; Wheels

Carrier pigeons *see* Pigeons

**Carriers**

*See also* Baggage; Bailments; Commerce; Commercial law; Communication; Demurrage; Express companies; Freight; Interstate commerce; Navigation; Negligence; Omnibuses; Postal service; Railroads; Shipping; Transportation

**Cars**

*See also* Air brakes; Automobiles; Car couplings; Car heating, lighting and ventilation; Car wheels; Carriages; Railroads — Rolling stock; Sleeping cars

Cartels (economics) *see* Combination, Industrial; Trusts

Cartesian philosophy *see* Descartes, René

**Carthusians**

*See also* Monasticism

Cartography *see* Charts; Maps

Cartoons *see* Caricature and cartoons

**Carving (art industries)**

*See also* Arts and crafts; Bas-relief; Cameos; Glyptics; Ivory; Sculpture; Wood carving

**Carving (meat, etc.)**

*See also* Cookery

Caryokinesis *see* Karyokinesis

Cases of conscience *see* Conscience

**Cash registers**

Casks *see* Cooperage

**Cast iron**

*See also* Foundry work; Iron

**Castaways**

*See also* Shipwrecks

**Caste**

*See also* Brahmanism; India — Social life and customs

Casting *see* Foundry work; Plaster casts

**Castles**

*See also* Architecture; Military architecture; *also* names of castles

*Refer from* Architecture; Building; Industrial arts; Joinery (s); Manual training; Tools; Woodwork

*Refer from* Floors; House decoration; Rugs; Textile industry and fabrics; Weaving

*Refer from* Painting, Mechanical; Wagon painting (s)

*Refer from* Cabs (s); Cars; Coaches and coaching; Locomotion; Manufactures; Transportation; Vehicles; Wagons; Wheels

*Refer from* Bailments; Commerce; Commercial law; Common carriers (s); Communication; Demurrage; Express companies; Freight; Law; Public service corporations; Railroads; Shipping; Transportation

*Refer from* Car building (s); Carpentry; Manufactures; Passenger coaches (s); Railroads; Railroads — Cars (s); Railroads — Equipment and supplies; Railroads — Rolling stock; Street cars (s); Vehicles

*Refer from* Monasticism

*Refer from* Art; Arts and crafts; Bas-relief; Decoration and ornament; Design, Decorative; Sculpture; Wood carving

*Refer from* Cookery; Dinners and dining; Home economics; Meat; Table

*Refer from* Accounting; Business; Office supplies

*Refer from* Blast furnaces; Foundry work; Iron; Pig iron (s)

*Refer from* Adventure; Crusoe stories (s); Shipwrecks

*Refer from* Brahmanism; Class distinction; Hinduism; India — Social life and customs; Manners and customs; Sociology

*Refer from* Archaeology; Architecture; Architecture, Medieval; Chateaux (s); Fortification; Military architecture; Palaces



**Castles — Continued**

**—England**

*See also* Warwick castle; Windsor castle

Casts, Plaster, *see* Plaster casts

Casualty insurance, *see* Insurance, Casualty

Casuistry *see* Conscience

Cat *see* Cats

Catabolism *see* Metabolism

**Catacombs**

*See also* Church history — Early church

*Refer from* Warwick castle; Windsor castle

*Refer from* Archaeology; Burial; Caves; Cemeteries; Christian antiquities; Christian art and symbolism; Church history — Early church; Tombs

**Cataloging**

*See also* Alphabetering; Capitalization; Classification; Colophons; Errors and blunders, Literary; Indexing; Library science; Titles of books

**Catalogs**

*See also* Bibliography; Cataloging; Indexes; *also* subjects of which catalogs are made

**—Booksellers'**

*Refer from* Alphabetering; Bibliography; Books; Capitalization; Catalogs; Catalogs, Card; Classification; Indexing; Library science

*Refer from* Bibliography; Indexes

**—Card**

*See also* Card system in business; Cataloging; Catalogs, Library

**—Library**

*See also* Bibliography; Catalogs, Card

*Refer from* Booksellers and bookselling; Booksellers' catalogs (s)

*Refer from* Card catalogs (s); Card system in business; Catalogs, Library

**—Publishers'**

*Refer from* Bibliography; Books; Catalogs, Card; Finding lists (s); Libraries; Library catalogs (s)

*Refer from* Publishers and publishing; Publishers' catalogs (s)

**Catalysis**

*See also* Chemistry, Physical; Colloids

*Refer from* Chemistry; Chemistry, Physical; Colloids; Contact action (s)

Cataracts *see* Waterfalls

**Catarrh**

*See also* Cold (disease); Hay fever; Respiratory organs — Diseases

*Refer from* Cold (disease); Hay fever; Medicine — Practice; Nose; Respiratory organs — Diseases

**Catechisms**

*See also* Bible — Question books; Creeds; *also* names of churches, subhead Catechisms and creeds

*Refer from* Bible — Catechisms (s); Bible — Question books; Creeds; Theology

**Catering**

*See also* Menus; Table

*Refer from* Cookery; Menus; Restaurants; Table

**Caterpillars**

*See also* Butterflies; Lepidoptera; Moths

*Refer from* Butterflies; Insects; Lepidoptera; Moths

**Cathedrals**

*See also* Architecture, Gothic; Church architecture; *also* names of cathedrals

*Refer from* Abbeys; Architecture; Architecture, Gothic; Architecture, Medieval; Catholic church; Christian art and symbolism; Church architecture; Church history; Church of England

**—England**

*See also* Canterbury cathedral

*Refer from* Canterbury cathedral

**Cathode rays**

*See also* Electric discharges through gases; Electrons; X rays

*Refer from* Electric discharges through gases; Electrons; Kathode rays (s); Radiation; Radioactivity; X rays

**Catholic apostolic church**

*Refer from* Irvingites (s); Sects





## **Catholic church**

*See also* Abbeys; Absolution; Apostolic succession; Bulls, Papal; Canonization; Cathedrals; Celibacy; Church and state; Confession; Convents and nunneries; Episcopacy; Excommunication; Fasts and feasts; Fathers of the church; Greek church; Immaculate conception; Indulgences; Infallibility; Inquisition; Interdict; Jansenists; Jesuits; Lent; Mary, Virgin; Mass; Miracles; Modernism; Monasteries; Monasticism; Oxford movement; Penance; Persecution; Pilgrimages; Popes; Protestantism; Purgatory; Religious liberty; Religious orders; Ritualism; Rosary; Sacraments; Saints; Shrines; Sisterhoods; Transubstantiation; Ultramontanism; Vatican

### **— Authority**

*See also* Popes — Authority and supremacy

### **— Biography**

*See also* Archbishops; Bishops; Cardinals; Catholic church — Clergy; Fathers of the church; Priests; Saints

### **— Breviaries, *see* Breviaries**

### **— Catechisms and creeds**

*See also* Apostles' creed; Athanasian creed; Nicene creed

### **— Clergy**

*See also* Apostolic succession; Archbishops; Bishops; Cardinals; Catholic church — Directories; Celibacy; Episcopacy; Monasticism; Priests

### **— Councils, *see* Councils and synods**

### **— Creeds, *see* Catholic church — Catechisms and creeds**

### **— Dictionaries**

### **— Directories**

### **— Doctrinal and controversial works**

### **— Education**

*See also* Church and education; Church schools

### **— Government**

*See also* Excommunication

### **— History**

*See also* Church history; Councils and synods; Counter-reformation; Jansenists; Popes — History; Popes — Temporal power; Reformation; Schism, The great western, 1378–1417; Vatican council

### **— Infallibility, *see* Catholic church — Authority; Popes — Infallibility**

### **— Liturgy and ritual**

*See also* Breviaries; Chants; Mass; Missals; Ritualism

### **— Missions**

*See also* Indians — Missions; Jesuits — Missions

### **— Name**

### **— Orders, *see* Catholic church — Clergy; Religious orders**

### **— Periodicals**

### **— Popes, *see* Popes**

### **— Ritual, *see* Catholic church — Liturgy and ritual**

*Refer from* Church and state; Church of England; Episcopacy; Holy See (s); Papacy (s); Popes; Protestantism; Roman Catholic church (s); Romanism (s); Sects; Ultramontanism; Vatican

*Refer from* Authority (in religion); Catholic church — Infallibility (s); Infallibility; Popes — Authority and supremacy

*Refer from* Catholic church — Creeds (s)

*Refer from* Apostolic succession; Archbishops; Bishops; Cardinals; Catholic church — Biography; Catholic church — Orders (s); Priests

*Refer from* Catholic church — Clergy

*Refer from* Catholic church — Social relations; Church and education

*Refer from* Church history; Counter-reformation; Reformation; Popes — History

*Refer from* Breviaries; Catholic church — Ritual (s); Liturgies; Mass; Missals; Ritualism

*Refer from* Jesuits — Missions; Missions



**Catholic church** — Continued

— **Social relations**

*See also* Catholic church — Education;  
Socialism and Catholic church

— **Statistics**

Catholic church and socialism *see* Socialism  
and Catholic church

**Catholic church in England**

*See also* Catholic emancipation; England  
— Religious history; Gunpowder plot

**Catholic church in France**

*See also* France — Religious history

**Catholic emancipation**

*See also* Catholic church in England

**Catholic literature**

**Cats**

*See also* Carnivora; Domestic animals

Cat's cradle *see* String figures

**Cattle**

*See also* Barns and stables; Beef; Breeding;  
Cowboys; Cows; Dairying; Feeding and  
feeding stuffs; Horns; Live stock; Oxen;  
Ungulata

— **Diseases**

*See also* Tuberculosis in animals;  
Veterinary medicine

— Transportation, *see* Animals — Transpor-  
tation

**Caucasian race**

*See also* Aryans

**Caucus**

*See also* Elections; Nominations; Pri-  
maries

**Causation**

*See also* Metaphysics; Teleology

Cause and effect *see* Causation

**Cavalry**

*See also* Cavalry drill and tactics; Horse;  
Military art and science; *also* under country,  
e.g. U. S. — Army — Cavalry. For volun-  
teer regiments in the U. S., *see* under name  
of state, e.g. New York cavalry; *also*  
United States volunteer cavalry, for volun-  
teer regiments recruited at large

**Cavalry drill and tactics**

*See also* Horse; Tactics

**Cave dwellers**

*See also* Archaeology

**Cave fauna**

Cave men *see* Cave dwellers

**Caves**

*See also* Catacombs; Cave dwellers;  
Cave fauna; Chultunes

**Ceilings**

*See also* Mural painting and decoration;  
Plaster and plastering

Celebrations *see* Anniversaries; Festivals;  
Holidays; *also* names of cities, subheads  
Centennial celebrations, etc., and Festivals

*Refer from* Christian sociology

*Refer from* Catholic emancipation; England  
— Religious history

*Refer from* France — Religious history;  
Gallican church (s)

*Refer from* Catholic church in England;  
Emancipation (s); Religious liberty  
*Refer from* Literature; Religious literature

*Refer from* Carnivora; Cat (s); Domestic  
animals; Pets

*Refer from* Cows; Dairying; Domestic  
animals; Live stock; Oxen; Ungulata

*Refer from* Animals — Diseases; Veterinary  
medicine

*Refer from* Aryans

*Refer from* Elections; Nominations; Pri-  
maries

*Refer from* Cause and effect (s); Final  
cause (s); God; Metaphysics; Philosophy

*Refer from* Military art and science

*Refer from* Cavalry; Drill (military); Mili-  
tary art and science; Tactics

*Refer from* Anthropology; Archaeology;  
Cave men (s); Caves; Ethnology; Man —  
Origin and antiquity; Troglodytes (s)  
*Refer from* Caves; Zoology

*Refer from* Archaeology; Grottoes (s);  
Physical geography; Speleology (s)

*Refer from* Architecture; Building; Plaster  
and plastering; Roofs

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Celestial mechanics *see* Mechanics, Celestial

**Celibacy**

*See also* Bachelors; Monasticism; Spin-  
sters

Cell, Voltaic, *see* Electric batteries

Cello *see* Violoncello

**Cells**

*See also* Biology; Botany — Embryology;  
Botany, Structural; Embryology; Histology;  
Karyokinesis; Osmosis; Physiological chem-  
istry; Protoplasm; Protozoa; Regeneration  
(biology)

**Celluloid**

*See also* Cellulose; Guncotton

**Cellulose**

*See also* Celluloid; Guncotton; Paper;  
Wood pulp

Celtic folklore *see* Folklore, Celtic

**Celtic languages**

*See also* Aryan languages; Cornish lan-  
guage; Gaelic language; Irish language;  
Welsh language

Celtic legends *see* Legends, Celtic

**Celtic literature**

*See also* Bards; Gaelic literature; Irish  
literature (Celtic); Welsh literature

Celtic mythology *see* Mythology, Celtic

**Celts**

*See also* Aryans; Britons; Druids; Folk-  
lore, Celtic; Gauls; Legends, Celtic; Picts

**Cement**

*See also* Adhesives; Building materials;  
Concrete; Geology, Economic; Glue; Lime;  
Pavements; Stucco

**Cemeteries**

*See also* Burial; Catacombs; Eminent  
domain; Epitaphs; Landscape gardening;  
Tombs; *also* names of cities, subhead  
Cemeteries

**—National**

Cenozoic era *see* Geology, Stratigraphic —  
Cenozoic; Paleontology — Cenozoic

Censorship of the press *see* Liberty of the  
press; Prohibited books

**Census**

*See also* Statistics; Tabulating machines;  
Vital statistics; *also* names of countries,  
and cities, subhead Census

Centenarians *see* Longevity

Centennials *see* names of cities, subhead  
Centennial celebrations, etc.

Central power stations *see* Power plants

Central states *see* Middle states

Centralization of schools *see* Schools — Cen-  
tralization

Centrifugal fans *see* Fans, Mechanical

**Centrifugal force**

*See also* Gravitation

*Refer from* Catholic church; Catholic church  
— Clergy; Chastity; Church history; Church  
polity; Clergy; Marriage; Monasticism;  
Priests; Theology

*Refer from* Biology; Botany; Botany —  
Embryology; Botany, Structural; Cytology(s);  
Embryology; Histology; Morphology; Physi-  
ological chemistry; Protoplasm; Regener-  
ation (biology); Zoology

*Refer from* Cellulose; Chemistry, Technical;  
Guncotton

*Refer from* Celluloid; Chemistry, Technical;  
Guncotton; Paper; Plants — Chemistry and  
nutrition; Wood pulp

*Refer from* Aryan languages; Cornish lan-  
guage; Gaelic language; Irish language; Kel-  
tic languages (s); Welsh language

*Refer from* Bards; Gaelic literature (s);  
Gaelic literature; Irish literature (Celtic);  
Keltic literature (s); Literature; Welsh litera-  
ture

*Refer from* Aryans; Britons; Druids;  
Gauls (s); Gauls; Kelts (s); Picts

*Refer from* Adhesives; Building materials;  
Chemistry, Technical; Concrete; Geology,  
Economic; Hydraulic cement (s); Lime;  
Masonry; Mortar (s); Portland cement (s);  
Slag; Stucco

*Refer from* Archaeology; Burial; Burying  
grounds (s); Churchyards (s); Eminent do-  
main; Graves (s); Graveyards (s); Hygiene,  
Public; Landscape gardening; Municipal im-  
provement; Sanitation; Tombs

*Refer from* National cemeteries (s)

*Refer from* Population; Statistics; Vital  
statistics

*Refer from* Force and energy



**Cephalopoda**

*See also* Mollusks

Ceramics *see* Pottery

Cereal foods *see* Cereals, Prepared

Cereals *see* Cereals, Prepared; Grain

**Cereals, Prepared**

Cerebral hemorrhage *see* Apoplexy

Cerebrospinal meningitis *see* Meningitis

Ceremonies *see* Etiquet; Manners and customs; Rites and ceremonies

**Certainty**

*See also* Belief; Faith; Probabilities; Truth

*Certificates, (Teachers' see Teachers - Examinations and certificates*

Cervidae *see* Deer

**Cetacea**

*See also* Mammals; Whales

**Chafing dish**

Chain belting *see* Belting

**Chained books****Chains**

*See also* Machine design

**Chair caning****Chairs**

*See also* Chair caning; Furniture

Chalcography *see* Engraving

**Chalk**

*See also* Limestone

**Chalk talks****Challenger expedition, 1872-1876****Chamber music**

Chambers of commerce *see* Boards of trade

**Chance**

*See also* Probabilities

**Chancellors, Lord****Chancery**

*See also* Equity

Chanteys *see* Sailors' songs

Chanties *see* Sailors' songs

**Chanting**

*See also* Chants; Singing and voice culture

**Chants**

*See also* Anthems; Chanting; Choral music; Church music; Hymns

Chap-books *see* Chapbooks

**Chapbooks**

*See also* Ballads

**Chapels**

*See also* Church architecture

**Character**

*See also* Christian life and character; Conduct of life, and references under that subject; Ethics; Graphology; Ideals; In-

*Refer from* Mollusks

*Refer from* Breakfast foods (s); Breakfasts; Cereal foods (s); Cereals (s); Cookery; Food; Prepared cereals (s)

*Refer from* Belief; Conviction (s); Evidence; Faith; Intellect; Logic; Philosophy; Truth

*Refer from* Mammals; Marine zoology; Whales

*Refer from* Cookery

*Refer from* Books

*Refer from* Cables; Machine design; Manufactures

*Refer from* Caning of chairs (s); Chairs; Industrial arts

*Refer from* Furniture

*Refer from* Geology, Economic; Limestone

*Refer from* Drawing; Lectures and lecturing

*Refer from* Scientific expeditions

*Refer from* Instrumental music; Music

*Refer from* Fortune (s); Luck (s); Philosophy; Probabilities

*Refer from* Biography; Judges; Lawyers; Lord chancellors (s); Ministers of state

*Refer from* Courts; Equity; Law; Pleading and practice

*Refer from* Chants; Singing and voice culture

*Refer from* Anthems; Catholic church — Liturgy and ritual; Chanting; Choral music; Church music; Gregorian chant (s); Gregorian music (s); Music; Plain chant (s); Plain song (s); Plainsong (s)

*Refer from* Ballads; Chap-books (s); Folklore; Literature; Periodicals

*Refer from* Church architecture

*Refer from* Christian life and character; Conduct of life; Ethics; Moral education; Psychology; Temperament





dividuality; National characteristics; Palmistry; Personality; Phrenology; Physiognomy; Temperament  
Character reading *see* Fortune telling; Graphology; Palmistry; Phrenology; Physiognomy; Psychometry (character reading, etc.)

Characteristics, National, *see* National characteristics

#### **Charades**

*See also* Amateur theatricals; Puzzles

#### **Charcoal**

*See also* Animal charcoal

#### **Charcoal drawing**

#### **Chariots**

#### **Charitable societies**

*See also* Charities; Charity organization; Humane societies

#### **Charities**

*See also* Almshouses; Asylums; Blind — Asylums and education; Charitable societies; Charity organization; Charity schools; Children — Charities, protection, etc.; City missions; Crèches; Deaf and dumb — Asylums and education; Dispensaries; Farm colonies; Flower missions; Fresh air charity; Friendly visiting; Hospitals; Insane hospitals; Jews — Charities; Mortmain; Nurses and nursing; Orphans and orphan asylums; Outdoor relief; Philanthropy; Poor; Poor laws; Ragged schools; Salvation army; Sisterhoods; Sisters of charity; Social settlements; Social work; Vacant lot cultivation; *also* names of cities, subheads Charities and Poor

#### **—Medical**

*See also* Blind — Asylums and education; Deaf and dumb — Asylums and education; Dispensaries; Hospitals; Inebriate asylums; Insane hospitals; Missions, Medical

#### **—U. S.**

*See also* U. S. — Hospitals and asylums

#### **Charity**

*See also* Altruism; Charities; Friendly visiting; Kindness; Love

Charity, Sisters of, *see* Sisters of charity

#### **Charity organization**

*See also* Charitable societies; Charities

#### **Charity schools**

*See also* Orphans and orphan asylums; Ragged schools

Charlatanry *see* Quacks and quackery

#### **Charlemagne — Romances**

#### **Charms**

*See also* Amulets; Birth stones; Swastika; Witchcraft

*Refer from* Amateur theatricals; Amusements; Drama; Puzzles; Riddles

*Refer from* Carbon; Fuel

*Refer from* Drawing

*Refer from* Archaeology; Carriages; Military art and science; Vehicles

*Refer from* Benevolent societies (s); Charities; Charity organization; Humane societies; Philanthropy; Societies

*Refer from* Almshouses; Asylums; Charitable societies; Charity; Charity organization; Dependent classes (s); Economics; Friendly visiting; Gifts; Homes (institutions) (s); Hospitals; Institutions, Charitable and philanthropic (s); Outdoor relief; Philanthropy; Poor; Public institutions (s); Reform; Relief work (s); Social problems; Social work; Sociology

*Refer from* Dispensaries; Medical charities (s); Medicine

*Refer from* U.S. — Charities (s)

*Refer from* Almsgiving (s); Begging; Benevolence (s); Conduct of life; Ethics; Giving (s); Love, Philanthropy

*Refer from* Associated charities (s); Charitable societies; Charities; Organized charity (s)

*Refer from* Charities; Children — Charities, protection, etc.; Education; Free schools (s); Orphans and orphan asylums; Schools

*Refer from* French literature; Middle ages — Literature; Romances

*Refer from* Amulets; Demonology; Evil eye; Folklore; Superstition; Talismans (s); Witchcraft



**Charters**

*See also* Archives; Corporations; Magna charta; Municipal franchises; *also* names of colonies, states, cities, etc., subhead Charters

*Refer from* Archives; Deeds; Documents (s); Government; History — Sources; Law; Manuscripts; Municipal charters (s); Municipal government; Paleography

**Chartism**

*Refer from* England — History — Victorian period; Labor and laboring classes — England

Chartography *see* Charts; Maps

**Charts**

*See also* Maps

*Refer from* Cartography (s); Chartography (s); Hydrography; Maps

Chase, The, *see* Hunting

**Chastity**

*See also* Celibacy

*Refer from* Ethics; Marriage; Purity (s); Sexual ethics; Virtue; Women

Chateaux *see* Castles

Chattel mortgages *see* Mortgages

Chattels *see* Personal property; Property

**Checkers**

*Refer from* Draughts (s); Games

**Checkreins**

*See also* Harness

*Refer from* Animals — Treatment; Bearing reins (s); Driving; Harness; Horse

**Checks**

*See also* Banks and banking

**Cheerfulness**

*See also* Happiness; Optimism

*Refer from* Banks and banking; Money

*Refer from* Conduct of life; Contentment; Ethics; Gladness (s); Happiness; Optimism

**Cheese**

*See also* Dairy bacteriology; Dairy products; Dairying

Cheirognomy *see* Palmistry

Cheiromancy *see* Palmistry

Cheiroptera *see* Bats

Cheirosophy *see* Palmistry

**Chemical affinity**

*See also* Chemical reaction

*Refer from* Affinity, Chemical (s); Chemical reaction; Chemistry, Physical

Chemical analysis *see* Chemistry — Analysis; *also* subhead Analysis under special subjects, e.g. Water — Analysis

**Chemical apparatus**

*See also* Blowpipe; Chemistry — Laboratory manuals

*Refer from* Chemical instruments (s); Chemistry — Apparatus (s); Chemistry — Laboratory manuals; Scientific apparatus and instruments

Chemical effects of light *see* Photochemistry

**Chemical elements**

*See also* Atomic weights; Metals; Periodic law; Valency; *also* names of elements, e.g. Argon, Arsenic, Carbon, Helium, Nitrogen, Oxygen, Radium, Sulphur

*Refer from* Elements, Chemical (s)

**Chemical engineering**

*See also* Chemistry, Technical; Drying; Metallurgy; Waste products

*Refer from* Chemistry, Technical; Engineering; Engineering, Chemical (s); Industrial arts; Industrial chemistry (s); Metallurgy

Chemical geology *see* Geochemistry; Geology, Economic; Mineralogy; Rocks

Chemical industries *see* Chemistry, Technical

Chemical instruments *see* Chemical apparatus

**Chemical reaction**

*See also* Chemical affinity; Reagents

*Refer from* Chemical affinity; Chemistry, Physical; Reaction, Chemical (s); Reagents

Chemical reagents *see* Reagents

**Chemical societies**

*Refer from* Scientific societies

Chemical technology *see* Chemistry, Technical



## Chemistry

*See also* Acids; Agricultural chemistry; Air; Alchemy; Alkalies; Assaying; Atomic theory; Atomic weights; Atoms; Catalysis; Color; Combustion; Condensation; Crystallography; Dissociation; Electrochemistry; Evaporation; Fermentation; Fire; Gases; Geochemistry; Ions; Metallurgy; Microchemistry; Mineralogy; Molecules; Periodic law; Pharmacy; Photochemistry; Photographic chemistry; Physics; Physiological chemistry; Plants — Chemistry and nutrition; Poisons; Radioactivity; Reagents; Receipts; Salts; Sanitary chemistry; Solution (chemistry); Spectrum analysis; Stereochemistry; *also* headings beginning Chemical, and names of chemical elements and substances

—Agricultural, *see* Agricultural chemistry

### Analysis

*See also* Adulterations; Assaying; Blowpipe; Electrolysis; Eudiometer; Microchemistry; Mineralogy; *also* names of substances analyzed

—Animal, *see* Physiological chemistry

—Apparatus, *see* Chemical apparatus

—Biological, *see* Physiological chemistry

—Botanical, *see* Plants — Chemistry and nutrition

—Dairy, *see* Agricultural chemistry; Dairy bacteriology

—Domestic, *see* Chemistry, Household

—Experimental, *see* Chemistry — Laboratory manuals

—Forensic, *see* Chemistry, Legal

### History

*See also* Alchemy; Atomic theory; Chemists

### Household

*See also* Cleaning; Cookery; Food — Analysis; Food adulteration and inspection; Sanitary chemistry; Sanitation, Household

—Industrial, *see* Chemistry, Technical

### Inorganic

*See also* Alkalies; Ammonia; Metals; Mineralogy; Rare earths

### Laboratory manuals

*See also* Chemical apparatus

### Legal

*See also* Medical jurisprudence; Poisons

—Mathematical, *see* Chemistry, Physical

—Medical, *see* Pharmacy; Physiological chemistry

### Organic

*See also* Alcohol; Alkaloids; Carbon; Coal; Essences and essential oils; Fermentation; Gas; Physiological chemistry; Plants — Chemistry and nutrition; Proteins

*Refer from* Acids; Atoms; Gases; Molecules; Natural history; Physics; Salts; Science; Solution (chemistry)

*Refer from* Adulterations; Analysis (chemistry) (s); Analytical chemistry (s); Blowpipe; Chemical analysis (s); Qualitative analysis (s); Quantitative analysis (s); Titration (s); Volumetric analysis (s)

*Refer from* Alchemy; Atomic theory; Chemists

*Refer from* Chemistry, Domestic (s); Food adulteration and inspection; Home economics; Household chemistry (s); Sanitary chemistry; Sanitation, Household

*Refer from* Alkalies; Inorganic chemistry (s); Metals; Rare earths

*Refer from* Chemical apparatus; Chemistry, Experimental (s); Experimental chemistry (s); Experiments (s)

*Refer from* Chemistry, Forensic (s); Forensic chemistry (s); Legal chemistry (s); Medical jurisprudence; Physiological chemistry; Poisons

*Refer from* Alcohol; Alkaloids; Carbon; Fermentation; Organic chemistry (s); Proteins



## **Chemistry**—Continued

—Pathological, *see* Physiological chemistry

—Pharmaceutical, *see* Pharmacy

—Photographic, *see* Photographic chemistry

### **Physical**

*See also* Atomic theory; Atomic weights; Atoms; Boiling points; Catalysis; Chemical affinity; Chemical reaction; Colloids; Crystallography; Dissociation; Electrochemistry; Electrolysis; Ions; Isomerism; Liquefaction of gases; Liquid air; Melting points; Molecules; Osmosis; Periodic law; Photochemistry; Physics; Radioactivity; Solution (chemistry); Stereochemistry; Thermodynamics; Valency

—Physiological, *see* Physiological chemistry

—Sanitary, *see* Sanitary chemistry

### **Technical**

*See also* Acetylene; Adulterations; Alcohol, Denatured; Ammonia; Animal products; Baking powder; Boiler scale; Brewing; Celluloid; Cellulose; Cement; Chemical engineering; Clay industries; Coal-tar colors; Coal-tar products; Corrosion and anti-corrosives; Distillation; Dyes and dyeing; Electrochemistry; Essences and essential oils; Explosives; Fermentation; Fireworks; Fuel; Gas; Glass manufacture; Glucose; Glue; Gums and resins; Gunpowder; Gutta-percha; Industrial arts; Ink; Leather; Matches; Metallurgy; Oils and fats; Paint; Paper; Perfumery; Petroleum; Receipts; Rubber; Soap; Sugar; Textile industry and fabrics; Varnish and varnishing; Waste products; Wood distillation

## **Chemists**

*See also* Chemistry—History; Pharmacists

## **Chess**

## **Chest**

*See also* Anatomy; Auscultation; Heart; Lungs; Respiratory organs

Chickens *see* Poultry

## **Chief justices**

*See also* Judges

## **Child labor**

*See also* Apprentices; Compulsory education; Factory system; Hours of labor; Newsboys; Sweating system

## **Child life**

*See also* Children in Japan [and in other countries]

Child saving *see* Children—Charities, protection, etc.

## **Child study**

*See also* Children; Kindergarten; Libraries, Children's; Mothers' clubs; Play; Psychology, Educational; Youth

Childhood *see* Child life; Children

## **Children**

*See also* Adoption; Birth rate; Boys; Busy work; Child labor; Child life; Child

*Refer from* Atomic theory; Atomic weights; Atoms; Boiling points; Catalysis; Chemistry, Mathematical (s); Colloids; Dissociation; Electrochemistry; Electrolysis; Liquefaction of gases; Liquid air; Molecules; Osmosis; Periodic law; Photochemistry; Physical chemistry (s); Physics; Solution (chemistry); Stereochemistry; Thermochemistry (s).

*Refer from* Adulterations; Animal products; Brewing; Chemical engineering; Chemical industries (s); Chemical technology (s); Chemistry, Industrial (s); Clay industries; Coal-tar colors; Coal-tar products; Distillation; Dyes and dyeing; Essences and essential oils; Explosives; Fermentation; Gas; Glass manufacture; Glucose; Gums and resins; Industrial arts; Industrial chemistry (s); Leather; Manufactures; Metallurgy; Oils and fats; Paint; Perfumery; Soap; Sugar; Technical chemistry (s); Technology; Textile industry and fabrics

*Refer from* Chemistry—History; Pharmacists; Scientists

*Refer from* Games

*Refer from* Anatomy; Breathing

*Refer from* Biography; Judges; Justices (s); Lawyers

*Refer from* Boys; Children; Children—Charities, protection, etc.; Children—Employment (s); Children—Law; Compulsory education; Factory laws; Factory system; Girls; Hours of labor; Labor and laboring classes; Social problems; Sweating system

*Refer from* Childhood (s); Children

*Refer from* Children; Education; Kindergarten; Mothers' clubs; Psychology; Psychology, Educational; School children; Teaching

*Refer from* Boys; Child study; Childhood (s); Conduct of life; Education; Family;





## **Children — Continued**

study; Education, Elementary; Eugenics; Family; Fathers; Foundlings; Girls; Heredity; Home; Home education; Illegitimacy; Infants; Juvenile delinquency; Kindergarten; Libraries, Children's; Mothers; Orphans and orphan asylums; Parents; Play; Playgrounds; Precocity; Prenatal influences; School children; Sunday schools; Twins; Youth; *also* headings beginning Children, Children's

### **— Abnormal and backward**

*See also* Auxiliary schools; Defectives; Feeble-minded; Idiocy

### **— Anecdotes and sayings**

— Backward, *see* Children, Abnormal and backward

### **— Care and hygiene**

*See also* Children — Diseases; Children — Management; Infants — Care and hygiene; Medical inspection of schools; Nurses and nursing; School hygiene; School lunches

### **— Charities, protection, etc.**

*See also* Charity schools; Child labor; Crèches; Foundlings; Fresh air charity; Humane societies; Orphans and orphan asylums; Playgrounds

### **— Diseases**

*See also* Children — Care and hygiene; Cholera infantum; Croup; Diphtheria; Diseases (s); Measles; Scarlet fever

— Education, *see* Education, Elementary; Home education; Kindergarten; *also* headings beginning School

— Employment, *see* Child labor

— Health, *see* Children — Care and hygiene

### **— Law**

*See also* Child labor; Curfew law; Factory laws; Juvenile courts; Juvenile delinquency; Labor laws

### **— Management**

*See also* Corporal punishment; Moral education

— Training, *see* Children — Management

Children in art *see* Children in literature and art

## **Children in Japan**

*See also* Japan — Social life and customs

## **Children in literature and art**

*See also* Children in poetry

## **Children in poetry**

*See also* Children in literature and art

Children's books *see* Children's literature

Children's courts *see* Juvenile courts

Girls; Home; Home education; Infants; Kindergarten; Mothers; Parents; Sociology; Women; Young people (s); Youth

*Refer from* Abnormal children (s); Auxiliary schools; Backward children (s); Children, Backward (s); Defectives; Education, Elementary; Feeble-minded; Idiocy; Juvenile delinquency; Mentally deficient children (s); School children

*Refer from* Anecdotes; Children's sayings (s)

*Refer from* Children — Health (s); Children — Diseases; Diet; Hygiene; Infants — Care and hygiene; Nurses and nursing; Pediatrics (s)

*Refer from* Charities; Child saving (s); Dependent children (s); Foundlings; Humane societies; Orphans and orphan asylums; Poor

*Refer from* Children — Care and hygiene; Children's diseases (s); Infants — Diseases (s); Medicine — Practice; Pediatrics (s)

*Refer from* Children — Care and hygiene; Children — Training (s); Home training (s); Management of children (s); Moral education

*Refer from* Child life; Japan — Social life and customs

*Refer from* Art; Children in art (s); Children in poetry; Literature

*Refer from* Children in literature and art; Poetry; Poetry of childhood (s)

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**Children's crusade, 1212**

*See also* Crusades

Children's diseases *see* Children — Diseases

Children's libraries *see* Libraries, Children's

**Children's literature**

*See also* Children's poetry; Fairy tales; Fiction in libraries; Kindergarten — Stories; Libraries, Children's; Libraries and schools; Picture books; School libraries; Sunday school libraries

**Children's parties****Children's periodicals****Children's poetry**

*See also* Children's literature; Children's songs; Nursery rhymes

Children's sayings *see* Children — Anecdotes and sayings

**Children's sermons****Children's songs**

*See also* Kindergarten — Games and songs; Nursery rhymes

Chills and fever *see* Malaria

**Chimes and chiming**

*See also* Bells

Chiming *see* Chimes and chiming

**Chimney sweeping****Chimneys**

*See also* Chimney sweeping; Fireplaces; Heating; Smoke; Ventilation

China (porcelain) *see* Pottery

**China painting**

*See also* Arts and crafts; Pottery

Chinaware *see* Pottery

**Chinch bugs**

*See also* Hemiptera

Chinese immigration *see* Chinese in the U. S. [and in other countries]

**Chinese in the U. S.****Chinese-Japanese war, 1894-1895**

*See also* China — History; Japan — History

**Chinese language**

*See also* Oriental languages

**Chinese literature**

*See also* Oriental literature

Chinese philosophy *see* Philosophy, Chinese

Chinese question *see* Eastern question (Far East); China — Foreign relations; China — History; Chinese in the U. S.

Chinese scale *see* San José scale

Chinese shadows *see* Shadow pantomimes

**Chinook jargon**

Chirognomy *see* Palmistry

Chirography *see* Penmanship; Writing

Chiromancy *see* Palmistry

**Chiropody**

Chiroptera *see* Bats

Chirosophy *see* Palmistry

***Refer from* Crusades**

*Refer from* Books and reading; Books and reading — Best books; Children's books (s); Children's poetry; Fiction in libraries; Juvenile literature (s); Libraries, Children's; Libraries and schools; Literature; Schools and libraries (s); Stories (s)

*Refer from* Entertaining; Parties (s)

*Refer from* Periodicals

*Refer from* Children's literature; Nursery rhymes; Poetry; Poetry of childhood (s)

*Refer from* Sermons

*Refer from* Children's poetry; Songs

*Refer from* Bells; Chiming (s); Church music; Ringing (s)

*Refer from* Chimneys; Sweeping

*Refer from* Architecture; Building; Fireplaces; Fires; Heating; Ventilation

*Refer from* Arts and crafts; Decoration and ornament; Painting; Pottery

*Refer from* Hemiptera; Insects, Injurious and beneficial

*Refer from* Chinese immigration (s); Chinese question (s); Race problems — U. S.; U. S. — Foreign population; U. S. — Foreign relations — China

*Refer from* China — History; Eastern question (Far East); Japan — History

*Refer from* Oriental languages

*Refer from* Oriental literature

*Refer from* Indians — Languages

*Refer from* Foot



**Chivalry**

*See also* Arthurian romances; Civilization, Medieval; Crusades; Courts of love; Feudalism; Heraldry; Honor; Knights and knighthood; Malta, Knights of; Middle ages; Romances; Templars; Teutonic knights; Tournaments

**Chloroform**

*See also* Anesthetics

**Chocolate**

*See also* Beverages; Cocoa

Choice of books *see* Books and reading

Choice of profession *see* Profession, Choice of

**Choirs**

*See also* Church music; Conducting (music); Singing and voice culture

**Cholera, Asiatic****Cholera infantum****Choral music**

*See also* Chants; Church music. For scores *see* Choruses and part songs

**Choral societies**

*See also* Musical societies

**Choruses and part songs**

*See also* Anthems; Glee

**Chouans**

*See also* Vendean war

Christ *see* Jesus Christ

**Christadelphians**

Christendom *see* Christianity; Church history; History

Christening *see* Baptism

**Christian antiquities**

*See also* Architecture, Gothic; Baptism; Bible — Antiquities; Burial; Catacombs; Christian art and symbolism; Church architecture; Church furniture; Church vestments; Fasts and feasts; Funeral rites and ceremonies; Lord's supper; Marriage; Relics; Rites and ceremonies; Shrines; Tombs

**Christian art and symbolism**

*See also* Art; Bible — Pictorial illustrations; Catacombs; Cathedrals; Christian antiquities; Church architecture; Church decoration and ornament; Church furniture; Church vestments; Cross; Emblems; Jesus Christ in art; Madonnas; Rites and ceremonies; Saints in art; Sarcophagi

**Christian biography**

*See also* Apostles; Apostolic fathers; Archbishops; Bishops; Cardinals; Clergy — Biography; Fathers of the church; Hermits; Martyrs; Missionaries; Monasticism; Pilgrim fathers; Popes — Biography; Preachers; Puritans; Reformers; Saints; *also* names of churches, subhead Biography

*Refer from* Civilization, Medieval; Crusades; Feudalism; Heraldry; Knight-errantry (s); Knights and knighthood; Middle ages; Middle ages — Social life and customs; Religious orders; Templars; Tournaments

*Refer from* Anesthetics

*Refer from* Beverages; Cocoa; Confectionery; Food

*Refer from* Boy choirs (s); Church music; Conducting (music); Music; Singing and voice culture

*Refer from* Asiatic cholera (s); Contagion and contagious diseases; Epidemics; Medicine — Practice; Tropics — Diseases and hygiene  
*Refer from* Children — Diseases

*Refer from* Chants; Church music; Music; Vocal music (s)

*Refer from* Musical societies; Singing and voice culture; Singing societies (s)

*Refer from* Choral music; Glee; Music — Scores; Part songs (s); Quartets, Vocal (s); Songs

*Refer from* French revolution; Vendean war

*Refer from* Brothers of Christ (s); Millennium; Second advent; Sects

*Refer from* Archaeology; Bible — Antiquities; Christian art and symbolism; Church antiquities (s); Church ceremonies (s); Church polity; Ecclesiastical antiquities (s); Rites and ceremonies

*Refer from* Archaeology; Architecture; Art; Art, Christian (s); Christian antiquities; Christian symbolism (s); Church architecture; Church decoration and ornament; Cross; Ecclesiastical art (s); Emblems; Iconography (s); Jesus Christ in art; Madonnas; Painting; Religious art (s); Sacred art (s); Saints in art; Symbolism

*Refer from* Biography; Church biography (s); Ecclesiastical biography (s); Martyrs; Missionaries; Religious biography (s)



Christian character *see* Christian life and character

Christian church (Disciples) *see* Disciples of Christ

Christian doctrine *see* Theology

Christian education *see* Religious education

**Christian era**

**Christian ethics**

*See also* Christian life and character; Conscience; Ethics; Sin; Social ethics

Christian evidences *see* Christianity — Evidences

**Christian life and character**

*See also* Character; Christian ethics; Christian work; Conduct of life; Conversion; Devotional exercises; Faith; Goodness; Monasticism; Prayer; Religious education; Revivals; Sanctification; Spiritual life

Christian names *see* Names, Personal

Christian perfection *see* Sanctification

**Christian science**

*See also* Mental healing

**Christian socialism**

*See also* Christian sociology

**Christian sociology**

*See also* Catholic church — Social relations; Christian socialism; Christian work; Church; Church and education; Church work; Institutional churches; Social ethics; Social problems; Social work

Christian symbolism *see* Christian art and symbolism

**Christian union**

*See also* Evangelical alliance

**Christian work**

*See also* Christian sociology; Church work

**Christian year**

*See also* Advent; Ash Wednesday; Christmas; Easter; Fasts and feasts; Good Friday; Holidays; Holy week; Lent

**Christianity**

*See also* Apostles; Bible; Christianity and other religions; Church; Church history, and other headings beginning Church; Civilization, Christian; Deism; God; Jesus Christ; Miracles; Missions; Protestantism; Reformation; Religion; Sects; Socialism and Christianity; Theism; Theology; *also* headings beginning Christian, and names of Christian churches and sects

*Refer from* Chronology

*Refer from* Christian life and character; Conscience; Ethics; Ethics, Christian (s); Sin; Social ethics

*Refer from* Character; Christian character (s); Christian ethics; Christianity, Practical (s); Conduct of life; Conversion; Ethics; Life; Personal religion (s); Practical theology (s); Religion, Personal (s); Religious experience (s); Sanctification; Spiritual life; Theology, Practical (s)

*Refer from* Absent treatment (s); Faith cure; Mental healing; Mind and body; Sects; Suggestive therapeutics; Therapeutics

*Refer from* Christian sociology; Church and social problems (s); Socialism; Socialism, Christian (s); Sociology

*Refer from* Christian socialism; Christian work; Christianity, Practical (s); Christianity and social problems (s); Church; Church and social problems (s); Church work; Religion and sociology (s); Social ethics; Social problems; Social work; Sociology; Sociology, Christian (s)

*Refer from* Church; Church polity; Church unity (s); Sects; Union, Christian (s)

*Refer from* Christian life and character; Christian sociology; Church work

*Refer from* Advent; Calendar; Church calendar (s); Church of England; Church year (s); Fasts and feasts; Holy week; Lent; Protestant Episcopal church in the U. S.

*Refer from* Bible; Christendom (s); Church; Church history; Deism; God; Jesus Christ; Natural religion; Philosophy; Religion; Religions; Revelation; Sociology; Theism; Theology





## **Christianity—Continued**

### **—Evidences**

*See also* Bible—Evidences and authority; Miracles; Religion and science

*Refer from* Apologetics (s); Bible—Evidences and authority; Christian evidences (s); Evidences of Christianity (s); Miracles; Religion

—History, *see* Church history

—Origin, *see* Church history — Early church

—Practical, *see* Christian life and character; Christian sociology

—Primitive, *see* Church history — Early church

### **Christianity and other religions**

Christianity and science *see* Religion and science

Christianity and social problems *see* Christian sociology

Christianity and socialism *see* Socialism and Christianity

### **Christmas**

*See also* Carols; Church decoration and ornament; Holidays; Jesus Christ — Birth; Magi; Santa Claus; *also* headings beginning Christmas

*Refer from* Advent; Christian year; Fasts and feasts; Holidays; Jesus Christ — Birth; Santa Claus

Christmas carols *see* Carols

### **Christmas entertainments**

*Refer from* Entertainments; Sunday school entertainments

### **Christmas gifts**

*Refer from* Gifts

### **Christmas plays**

*Refer from* Drama

### **Christmas poetry**

*See also* Carols

*Refer from* Poetry; Recitations and readings

### **Christmas stories**

Christology *see* Jesus Christ

Chromatics *see* Color

### **Chromolithography**

*See also* Color printing; Color prints; Lithography

*Refer from* Color; Color printing; Lithography

Chromophotography *see* Color photography

Chromosomes *see* Karyokinesis

### **Chronograph**

*See also* Astronomical instruments; Photochronograph

*Refer from* Astronomical instruments; Time

### **Chronology**

*See also* Almanacs; Calendar; Christian era; Time; Year

*Refer from* Almanacs; Astronomy; Calendar; Time; Year

—Biblical, *see* Bible — Chronology

### **—Historical**

*See also* Bible — Chronology; History; *also* names of countries, subhead History — Chronology

*Refer from* Annals (s); Dates (s); History

Chronophotography *see* Moving pictures

### **Chultunes**

*Refer from* Caves; Yucatan

### **Church**

*See also* Christian sociology; Christian union; Christianity; Institutional churches; *also* headings beginning Church, and names of churches and sects

*Refer from* Christian sociology; Christianity; Theology

—Institutional, *see* Institutional churches

Church accounts *see* Church finance

### **Church and education**

*See also* Bible in the schools; Catholic church — Education; Church schools; Public schools and religion; Religious education; Theology — Study and teaching

*Refer from* Bible in the schools; Catholic church — Education; Christian sociology; Church and state; Church schools; Denominational schools (s); Education; Education and church (s); Religion and education (s); Religious education



Church and healing *see* Emmanuel movement;

Medicine and religion

Church and social problems *see* Christian socialism; Christian sociology; Church work

### **Church and state**

*See also* Asylum, Right of; Catholic church; Church and education; Church history; Church of England — Establishment; Church polity; Church property; Liberty of conscience; Popes — Temporal power; Religious liberty; Socialism and Catholic church; Socialism and Christianity; Taxation, Exemption from

Church antiquities *see* Christian antiquities

### **Church architecture**

*See also* Abbeys; Architecture; Architecture, Gothic; Basilicas; Cathedrals; Chapels; Christian art and symbolism; Church decoration and ornament; Crypts; Mosques; Orientation (architecture); Spires; Temples; Towers

### **Church attendance**

Church bells *see* Bells

Church benefices *see* Church property

Church biography *see* Christian biography

Church calendar *see* Christian year; Fast and feasts

Church census *see* Church statistics

Church ceremonies *see* Christian antiquities; Fast and feasts; Liturgies; Rites and ceremonies

Church costume *see* Church vestments

Church councils *see* Councils and synods

### **Church decoration and ornament**

*See also* Christian art and symbolism; Church furniture; Floral decoration; Rood screens

### **Church dedication**

### **Church discipline**

*See also* Absolution; Asceticism; Church polity; Confession; Excommunication; Inquisition; Interdict; Monasticism; Penance; Purgatory; Simony

### **Church entertainments**

*See also* Entertainments; Sunday school entertainments

Church extension *see* Church work; Missions

Church fathers *see* Fathers of the church

Church festivals *see* Fast and feasts

### **Church finance**

*See also* Church property; Church rates; Taxation, Exemption from; Tithes

### **Church furniture**

*See also* Altars; Baptismal fonts; Pulpits; Rood screens; Shrines

Church government *see* Church polity

### **Church history**

*See also* Abbeys; Apostolic succession; Bible; Canonization; Cathedrals; Catholic

*Refer from* Catholic church; Church history; Church of England — Establishment; Church polity; Disestablishment (s); Government; Liberty of conscience; Persecution; Religious liberty; State church (s)

*Refer from* Architecture; Architecture, Ecclesiastical (s); Architecture, Gothic; Basilicas; Cathedrals; Chapels; Christian antiquities; Christian art and symbolism; Churches (s); Ecclesiastical architecture (s); Religious art (s); Spires; Temples

*Refer from* Church statistics; Churchgoing (s); Public worship (s); Sunday; Worship

*Refer from* Christian art and symbolism; Christmas; Church architecture; Church ornament (s); Decoration and ornament; Floral decoration; Interior decoration (s)

*Refer from* Church polity; Churches (s); Consecration of churches (s); Dedication of churches (s); Rites and ceremonies

*Refer from* Church membership; Church polity; Discipline, Ecclesiastical (s); Excommunication; Penance

*Refer from* Church sociables (s); Church work; Entertainments; Sociables (s); Socials (s); Sunday school entertainments

*Refer from* Church accounts (s); Church property; Church rates; Finance; Tithes

*Refer from* Altars; Baptismal fonts; Christian antiquities; Christian art and symbolism; Church decoration and ornament; Ecclesiastical furniture (s); Furniture; Pulpits

*Refer from* Bible; Catholic church — History; Christendom (s); Christianity; Chris-



**Church history**—Continued

church—History; Celibacy; Christianity; Church and state; Church law; Church polity; Convents and nunneries; Councils and synods; Creeds; Dissenters; Eastern churches; Episcopacy; Fathers of the church; Flagellants; Heresy; Huguenots; Inquisition; Jesuits; Jews; Martyrs; Miracles; Missions; Monasticism; Persecution; Popes—History; Protestantism; Reformation; Religious liberty; Religious orders; Revivals; Sects; Sisterhoods; Theology [for history of doctrines]; *also* headings beginning Christian, names of sects, churches, councils, etc., and names of countries and cities, subhead Religious history

—**Early church**

*See also* Arianism; Bible—New Testament—Apocryphal books; Catacombs; Donatists; Fathers of the church; Pelagianism

—**Early church—Apostolic**

*See also* Apostles; Apostolic fathers; Bible—New Testament

—**Middle ages**

*See also* Albigenses; Crusades; Flagellants; Middle ages—History; Popes—Temporal power; Schism, The great western, 1378–1417; Waldenses

—Reformation, *see* Reformation

—**Modern**

*See also* Covenanters; Dissenters; Jansenists; Reformation

**Church law**

*See also* Apostolic canons; Apostolic constitutions; Asylum, Right of; Benefit of clergy; Church history; Church polity; Church property; Councils and synods; Divorce; Marriage; Simony; Tithes; *also* names of churches, subhead Government

**Church membership**

*See also* Baptism; Church discipline; Church polity; Church statistics; Close communion; Confirmation; Covenants; Creeds; Lord's supper

**Church music**

*See also* Anthems; Bible—Music; Carols; Chants; Chimes and chiming; Choirs; Choral music; Hymns; Liturgies; Missals; Masses; Oratorios; Organ music

Church of Christ (Disciples) *see* Disciples of Christ

Church of Christ of latter-day saints *see* Mormons and Mormonism

**Church of England**

*See also* Anglican communion; Apostolic succession; Cathedrals; Catholic church; Christian year; Confirmation; Dissenters; England—Religious history; Episcopacy; Fasts and feasts; Nonjurors; Oxford movement; Protestant Episcopal church in the U. S.; Puritans; Ritualism; Sacraments; Sisterhoods

tianity—History (s); Church and state; Church law; Church polity; Councils and synods; Ecclesiastical history (s); Heresy; History; Martyrs; Popes—History; Reformation; Religious history (s); Sacred history (s); Theology

*Refer from* Arianism; Catacombs; Christianity—Origin (s); Christianity, Primitive (s); Donatists; Early church (s); Fathers of the church; Pelagianism; Primitive Christianity (s)

*Refer from* Apostles; Apostolic church (s); Apostolic fathers; Bible—New Testament

*Refer from* Middle ages—History; Popes—Temporal power; Schism, The great western, 1378–1417

*Refer from* Canon law (s); Church history; Church polity; Ecclesiastical law (s); Law

*Refer from* Church polity; Confirmation; Lord's supper

*Refer from* Anthems; Chants; Choirs; Choral music; Church services; Devotional exercises; Hymns; Music; Organ music; Psalmody (s); Sacred music (s); Songs; Vocal music (s); Worship

*Refer from* Anglican church (s); Anglican communion; Dissenters; England, Church of (s); England—Religious history; Episcopacy; Episcopal church (s); Nonjurors; Protestant Episcopal church in the U. S.; Puritans; Sects



**Church of England—Continued**

**—Articles of religion**

**—Biography**

*See also* Archbishops; Bishops; Church of England — Clergy

**—Canons, *see* Church of England — Government**

**—Catechisms and creeds**

*See also* Apostles' creed; Athanasian creed; Church of England — Articles of religion; Nicene creed

**—Clergy**

*See also* Apostolic succession; Archbishops; Bishops; Church of England — Directories; Episcopacy; Priests

**—Constitution, *see* Church of England — Government**

**—Convocations**

**—Creeds, *see* Church of England — Catechisms and creeds**

**—Dioceses**

*See also* names of dioceses

**—Directories**

*See also* Church of England — Yearbooks

**—Doctrinal and controversial works**

*See also* Marprelate controversy

**—Establishment**

*See also* Church and state

**—Finance**

*See also* Church rates; Tithes

**—Government**

*See also* Church of England — Royal supremacy

**—History**

*See also* England — Religious history; *also* names of dioceses

**—Liturgy and ritual**

*See also* Ritualism

**—Missions**

**—Ritual, *see* Church of England — Liturgy and ritual**

**—Royal supremacy**

**—Thirty-nine articles, *see* Church of England — Articles of religion**

**—Yearbooks**

Church of Jesus Christ of latter-day saints *see* Mormons and Mormonism

**Church of Scotland**

*See also* Covenanters; Presbyterian church; Presbyterianism; Reformation — Scotland; Scotland — Religious history

Church of the New Jerusalem *see* New Jerusalem church

Church ornament *see* Church decoration and ornament

**Church polity**

*See also* Absolution; Apostolic succession; Asceticism; Baptism; Benefit of clergy;

*Refer from* Articles. Thirty-nine (s); Church of England — Catechisms and creeds; Church of England — Thirty-nine articles (s); Thirty-nine articles (s)

*Refer from* Church of England — Creeds (s)

*Refer from* Apostolic succession; Archbishops; Bishops; Church of England — Biography

*Refer from* Church of England — Clergy

*Refer from* Church and state; Disestablishment (s); State church (s)

*Refer from* Church of England — Canons (s); Church of England — Constitution (s)

*Refer from* England — Religious history

*Refer from* Church of England — Ritual (s); Liturgies; Ritualism  
*Refer from* Missions

*Refer from* Church of England — Government; Royal supremacy (Church of England) (s)

*Refer from* Church of England — Directories

*Refer from* Covenanters; Presbyterian church; Presbyterianism; Reformation — Scotland; Scotland — Religious history; Sects

*Refer from* Bishops; Church and state; Church discipline; Church government (s);





- Brotherhoods; Cardinals; Celibacy; Christian antiquities; Christian union; Church and state; Church dedication; Church discipline; Church history; Church law; Church membership; Church property; Church rates; Clergy; Confession; Confirmation; Congregationalism; Councils and synods; Covenants; Deaconesses; Deacons; Episcopacy; Excommunication; Fasts and feasts; Free churches; Indulgences; Interdict; Liberty of conscience; Lord's supper; Methodism; Monasticism; Ordination; Penance; Popes; Preaching; Presbyterianism; Priests; Religious orders; Rites and ceremonies; Ritualism; Sacraments; Sisterhoods; Sunday; Tithes; Worship; *also* names of churches, subhead Government
- Church property**  
*See also* Church finance; Convents and nunneries; Monasteries; Taxation, Exemption from
- Church rates**  
*See also* Church finance; Tithes
- Church schools**  
*See also* Church and education
- Church services**  
*See also* Church music; Devotional exercises; Liturgies; Prayer meetings; Responsive worship; Worship  
 Church settlements *see* Social settlements  
 Church sociables *see* Church entertainments
- Church statistics**  
*See also* Church attendance
- Church unity *see* Christian union
- Church vestments**  
*See also* Costume
- Church work**  
*See also* Christian sociology; Christian work; Church entertainments; City missions; Deaconesses; Evangelistic work; Institutional churches; Missions; Pastoral work; Revivals; Social settlements; Sunday; Sunday schools  
 Church year *see* Christian year  
 Churches *see* Church architecture; Church dedication; Free churches; *also* individual churches, and names of cities, subhead Churches  
 Churchgoing *see* Church attendance  
 Churchyards *see* Cemeteries
- Cicadas**  
*See also* Hemiptera
- Church history; Church law; Church membership; Congregationalism; Ecclesiastical polity (s); Theology
- Refer from* Church and state; Church benefices (s); Church finance; Church law; Church polity; Property; Real estate; Taxation, Exemption from
- Refer from* Church finance; Church of England — Finance; Church polity; Dissenters; Tithes
- Refer from* Catholic church — Education; Church and education; Denominational schools (s); Diocesan schools (s); Parish schools (s); Parochial schools (s); Religious education; Schools
- Refer from* Devotional exercises; Liturgies; Public worship (s); Religious services (s); Worship
- Refer from* Church census (s); Church membership; Ecclesiastical statistics (s); Statistics
- Refer from* Christian antiquities; Christian art and symbolism; Church costume (s); Costume; Ecclesiastical costume (s); Ecclesiastical vestments (s); Regalia; Vestments (s)
- Refer from* Christian sociology; Christian work; Church and social problems (s); Church extension (s); Institutional churches
- Refer from* Hemiptera; Insects, Injurious and beneficial; Locusts; Seventeen-year locusts (s)



**Cider**

*See also* Beverages

**Cigarettes**

*See also* Smoking

**Cigars**

*See also* Cigarettes; Smoking; Tobacco

**Cinematics** *see* Kinematics**Cinematograph** *see* Moving pictures**Cipher codes** *see* Telegraph codes**Ciphers**

*See also* Abbreviations; Telegraph; Telegraph codes; Writing

**Circle**

*See also* Geometry

**Circle-squaring**

*See also* Geometry

**Circulating libraries** *see* Libraries**Circulation of the blood** *see* Blood**Circulatory system** *see* Vascular system**Circumcision**

*See also* Jews — Religion

**Circumnavigation** *see* Voyages and travels around the world**Circumstantial evidence** *see* Evidence**Circus**

*See also* Acrobats; Animals — Training; Clowns; Menageries

**Cistercians**

*See also* Benedictines; Monasticism; Trappists

**Cities**

*See also* Boroughs; City and country; City life; Garden cities; Hanseatic league; Housing problem; Markets; Municipal government, and other headings beginning Municipal; Parks; Slums; Street cleaning; Street cries; Streets; Towns

**— Planning and laying out**

*See also* Garden cities; Housing problem; Municipal art; Municipal centers; Municipal improvement; *also* names of cities, subhead Public buildings

**1 Citizenship**

*See also* Aliens; Allegiance; Civil rights; Education and citizenship; Expatriation; Government; Naturalization; Patriotism; Political ethics; School city

**City and country**

*See also* City life; Country life; Farm life

**City gardens** *see* Vacant lot cultivation**City government** *see* Municipal government**City improvement** *see* Municipal improvement**City life**

*See also* Bohemianism; City and country

**City missions****City planning** *see* Cities — Planning and laying out**Civic art** *see* Municipal art**Civic centers** *see* Municipal centers**Civic improvement** *see* Municipal improvement

*Refer from* Apple; Beverages

*Refer from* Cigars; Smoking; Tobacco

*Refer from* Smoking; Tobacco

*Refer from* Abbreviations; Contractions (s); Cryptography (s); Cyphers (s); Secret writing (s); Sign language; Writing

*Refer from* Curves; Geometry

*Refer from* Geometry; Quadrature of the circle (s); Squaring of the circle (s)

*Refer from* Jews; Jews — Religion

*Refer from* Amusements; Clowns; Hippodrome (s); Menageries

*Refer from* Benedictines; Monasticism; Trappists

*Refer from* Boroughs; Local government; Municipal corporations; Municipal government; Municipalities (s); Sociology; Towns

*Refer from* City planning (s); Garden cities; Housing problem; Municipal art; Municipal centers; Municipal improvement

*Refer from* Aliens; Allegiance; Civics (s); Civil rights; Conduct of life; Elections; Expatriation; Foreigners (s); Government; International law; Naturalization; Patriotism; Political ethics; Public spirit (s); Suffrage

*Refer from* Cities; City life; Country life; Farm life

*Refer from* Cities; City and country

*Refer from* Charities; Church work; Missions, Home; Social settlements



**Civics** *see* Citizenship; Government; Municipal government; *also* names of countries, subhead Government

**Civil engineering**

*See also* Aqueducts; Arches; Blasting; Boring; Breakwaters; Bridges; Building; Canals; Cofferdams; Curves in engineering; Docks; Drainage; Dredging; Earthwork; Embankments; Engineering; Excavation; Foundations; Harbors; Hydraulic engineering; Irrigation; Lighthouses; Masonry; Mechanical engineering; Mensuration; Mining engineering; Piles and pile driving; Public works, and subhead Public works under names of countries and cities; Railroad engineering; Railroads — Construction; Reclamation of land; Rivers; Roads; Sanitary engineering; Steel construction; Streets; Strength of materials; Subways; Surveying; Tunnels; Walls; Water supply

Civil government *see* Government

**Civil law**

*See also* Law, and references under that subject

Civil liberty *see* Liberty

**Civil rights**

*See also* Citizenship; Constitutional law

**Civil service**

*See also* Bureaucracy; Campaign funds; Civil service examinations; Civil service pensions; Civil service reform; Nominations

—U. S.

*See also* Civil service reform; U. S.—Registers

**Civil service examinations**

**Civil service pensions**

*See also* Teachers — Salaries, . pensions, etc.

**Civil service reform**

*See also* Municipal government — Commission plan; Political corruption

Civil war *see* England — History — Civil war and commonwealth; U. S.—History — Civil war

**Civilization**

*See also* Anglo-Saxons; Anthropology; Archaeology; Art; Culture; Degeneration; Education; Ethics; Ethnology; Eugenics; History; History — Philosophy; Industry; Inventions; Latin races; Man; Manners and customs; Migration of nations; Progress; Religions; Renaissance; Social problems; Society, Primitive; Sociology; Teutonic race; Tribes and tribal system; *also* names of countries, subhead Civilization

—Ancient

*See also* Industries, Primitive; *also* names of countries of antiquity, subhead Civilization

—Aryan

*See also* Aryans

*Refer from* Aqueducts; Breakwaters; Bridges; Building; Canals; Curves in engineering; Docks; Dredging; Earthwork; Embankments; Engineering; Engineering, Civil (s); Foundations; Harbors; Irrigation; Railroads — Construction; Roads; Surveying; Tunnels

*Refer from* Law; Roman law (s)

*Refer from* Citizenship; Constitutional law; Government; Law; Police power; Rights, Civil (s)

*Refer from* Administration (s); Government; Government officials (s); Office, Tenure of (s); Politics; Spoils system (s); Tenure of office (s)

*Refer from* U. S.— Civil service (s); U. S.—Government

*Refer from* Civil service; Competitive examinations (s); Examinations

*Refer from* Civil service; Old age pensions; Pensions

*Refer from* Civil service; Civil service — U. S.; Political corruption; Reform; U. S. — Politics

*Refer from* Anthropology; Archaeology; Culture; Education; Ethics; Ethnology; Government; History; History — Philosophy; Man; Progress; Social conditions (s); Social science (s); Sociology

*Refer from* History, Ancient; Industries, Primitive

*Refer from* Aryan civilization (s); Aryans



**Civilization**—Continued

—**Christian**

—**History**

—**Medieval**

*See also* Chivalry; Feudalism

—**Oriental**

—**Pagan**

**Claims**

*See also* Alabama claims; French spoliation claims; *also* names of countries, cities and wars, subhead Claims

**Clairvoyance**

*See also* Animal magnetism; Hypnotism; Mind reading; Psychical research; Psychometry (character reading, etc.); Thought transference

**Clans**

*See also* Highlands of Scotland; Society, Primitive; Tartans; Tribes and tribal system; *also* names of clans

**Class day**

**Class distinction**

*See also* Caste; Equality; Leisure class; Peerage; Precedence

**Classical antiquities**

*See also* Archaeology; Art, Greek; Art, Roman; Classical dictionaries; Greece—Antiquities; Mythology, Classical; Rome—Antiquities

**Classical biography**

*See also* Greece—Biography; Rome—Biography

**Classical dictionaries**

**Classical education**

*See also* Colleges and universities; Curriculum; Humanism

Classical geography *see* Geography, Ancient

Classical languages *see* Greek language; Latin language

**Classical literature**

*See also* Classicism; Greek literature; Latin literature

Classical mythology *see* Mythology, Classical

**Classicism**

*See also* Hellenism; Romanticism

**Classification**

*See also* Cataloging; Library science; *also* subhead Classification under various subjects, e.g. Botany—Classification

—**Decimal**

—**Expansive**

**Clay**

*See also* Bricks; Clay industries; Geology, Economic; Modeling

*Refer from* Christianity

*Refer from* Culture, Primitive (s); Primitive culture (s)

*Refer from* Chivalry; Feudalism; Medieval civilization (s); Middle ages—Civilization (s)

*Refer from* Oriental civilization (s)

*Refer from* Pagan civilization (s)

*Refer from* Finance; International law

*Refer from* Animal magnetism; Divination; Fortune telling; Mind reading; Psychical research; Second sight; Spiritualism; Thought transference

*Refer from* Feudalism; Highlands of Scotland; Scotland; Scottish clans (s); Society, Primitive; Tartans; Tribes and tribal system

*Refer from* Colleges and universities; Commencements; Student life

*Refer from* Equality; Leisure class; Precedence; Social classes (s); Society; Sociology

*Refer from* Archaeology; Art, Ancient; Greece—Antiquities; Rome—Antiquities

*Refer from* Biography; Greece—Biography; Rome—Biography

*Refer from* Classical antiquities; Dictionaries; History, Ancient; Mythology; Mythology, Classical; Reference books

*Refer from* Colleges and universities; Curriculum; Education; Education, Classical (s); Education, Higher (s); Higher education (s); Humanism; Humanities (s); Language

*Refer from* Greek literature; Latin literature; Literature

*Refer from* Art; Classical literature; Esthetics; Hellenism; Literature; Romanticism

*Refer from* Bibliography; Books; Cataloging; Library science

*Refer from* Decimal classification (s); Dewey classification (s)

*Refer from* Cutter classification (s); Expansive classification (s)

*Refer from* Bricks; Geology, Economic; Soils



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- ✓ clearing house ... ..
- ✓ clearing house ... ..
- ✓ clearing house currency ... ..

**Clay industries**

*See also* Bricks; Chemistry, Technical; Pottery; Tiles

Clay modeling *see* Modeling

**Cleaning**

*See also* Bleaching; Drying; Dyes and dyeing; House cleaning; Laundry; Soap; Street cleaning; Sweeping; Vacuum cleaning systems

**Cleanliness**

*See also* Baths and bathing; Disinfection and disinfectants; Sanitation

**7 Clearing houses**

*See also* Banks and banking; Exchange; Trust companies

**Clearing of land**

*See also* Lumber and lumbering

**Clergy**

*See also* Benefit of clergy; Bishops; Celibacy; Monasticism; Ordination; Pastoral work; Preachers; Preaching; Priests; *also* names of churches, subhead Clergy

**—Biography****Cliff dwellers and cliff dwellings**

*See also* Archaeology; Arizona — Antiquities; Mexico — Antiquities

**Climate**

*See also* Acclimatization; Cold; Health resorts; Medical geography; Meteorology; Physical geography; Rain; Seasons; Temperature; Weather; *also* names of countries and cities, subhead Climate

Climatology *see* Climate

**Climbing plants**

*See also* Botany — Physiology

Clinical medicine *see* Medicine — Practice

**Clippings**

*See also* Scrapbooks

**Clocks and watches**

*See also* Pendulum; Timekeepers

**Cloisonné**

*See also* Enamel

Cloisters *see* Convents and nunneries; Monasteries

**Close communion**

*See also* Baptists; Lord's supper

Closed shop *see* Open and closed shop

Cloth *see* Textile industry and fabrics

**Clothing**

*See also* Buttons; Consumers' leagues; Costume; Dress reform; Dressmaking; Fur; Garment cutting; Hosiery; Sumptuary laws; Sweating system; Tailoring; Textile industry and fabrics; Toilet; Underwear; Uniforms

*Refer from* Bricks; Chemistry, Technical; Clay; Industrial arts; Pottery; Tiles

*Refer from* Bleaching; Chemistry, Household; Dyes and dyeing; Laundry; Sanitary chemistry; Scouring (s)

*Refer from* Home economics; Hygiene; Sanitation

*Refer from* Banks and banking; Exchange

*Refer from* Agriculture; Land; Land clearing (s)

*Refer from* Church polity; Curates (s); Deacons; Ministers of the gospel (s); Ordination; Parsons (s); Pastoral theology (s); Pastoral work; Pastors (s); Preachers; Priests; Professions; Rectors (s); Theology; Theology, Pastoral (s)

*Refer from* Biography; Christian biography

*Refer from* Anthropology; Archaeology; Architecture, Ancient; Arizona — Antiquities; Ethnology; Indians; Mexico — Antiquities; Pueblos

*Refer from* Acclimatization; Climatology (s); Earth; Ethnology; Health resorts; Hygiene; Medical climatology (s); Medical geography; Meteorology; Physical geography; Temperature; Therapeutics; Weather

*Refer from* Botany; Botany — Physiology; Plants; Plants, Climbing (s); Vines (s)

*Refer from* Newspaper clippings (s); Newspapers; Press clippings (s); Quotations; Scrapbooks

*Refer from* Horology (s); Manufactures; Timekeepers; Watches (s)

*Refer from* Enamel; Shippo (s)

*Refer from* Baptism; Baptists; Church membership; Communion (s); Lord's supper

*Refer from* Costume; Dress (s); Dry goods; Fashion; Hygiene; Manufactures; Textile industry and fabrics



**Clouds**

*See also* Meteorology

**Clover****Clowns**

*See also* Circus; Fools

**Clubs**

*See also* Book clubs; Boys' clubs; Girls' clubs; Mothers' clubs; Neighborhood guilds; Societies; Study clubs; Women's clubs; Working women's clubs; Workingmen's clubs; *also* names of cities, subhead Clubs

**Coaches and coaching**

*See also* Carriages; Driving; Omnibuses; Roads

Coaching *see* Coaches and coaching

**Coal**

*See also* Briquets; Coal mines and mining; Coal regions; Coal-tar colors; Coal-tar products; Coaling stations; Coke; Gas; Geology, Economic; Lignite

Coal gas *see* Gas

Coal lands *see* Coal regions

**Coal mines and mining**

*See also* Anthracite coal strike, 1902; Coal regions; Mine accidents; Miners; Mining engineering, and references under that subject

Coal oil *see* Petroleum

**Coal regions**

*See also* Geology, Economic

**Coal-tar colors**

*See also* Chemistry, Technical; Dyes and dyeing

**Coal-tar products**

*See also* Chemistry, Technical; Coal-tar colors; Distillation; Gas; Oils and fats; Petroleum

**Coaling stations**

Coast artillery *see* Artillery

**Coast changes**

*See also* Erosion; Physical geography

**Coast defense**

*See also* Armor plate; Artillery; Mines, Submarine; *also* names of countries, subhead Defenses

Coast pilots *see* Pilot guides

**Coasting**

*See also* Tobogganing; Winter sports

Coats of arms *see* Devices; Heraldry

**Cobalt**

*See also* Metals

**Cocaine**

*See also* Anesthetics; Narcotic habit

Coccidae *see* Scale insects

**Cocoa**

*See also* Beverages; Chocolate

**Cocoons**

*See also* Silkworms

*Refer from* Meteorology

*Refer from* Feeding and feeding stuffs; Forage plants; Grasses; Hay

*Refer from* Circus; Harlequins (s)

*Refer from* Corporations; Societies

*Refer from* Amusements; Carriages; Coaching (s); Driving; Horsemanship; Locomotion; Riding (s); Stage-coaches (s); Vehicles

*Refer from* Anthracite coal (s); Bituminous coal (s); Carbon; Chemistry, Organic; Fuel; Geology; Geology, Economic; Lignite; Mineralogy

*Refer from* Coal; Mines and mineral resources

*Refer from* Coal; Coal lands (s); Coal mines and mining; Geology, Economic

*Refer from* Aniline colors (s); Chemistry, Technical; Coal; Coal-tar products; Color; Dyes and dyeing

*Refer from* Chemistry, Technical; Coal; Commercial products; Distillation; Gas; Petroleum

*Refer from* Coal; Navies; U. S.— Navy

*Refer from* Erosion; Ocean; Physical geography; Seashore

*Refer from* Armor plate; Defenses, National (s); Fortification; Harbor defense (s); Military art and science; Military engineering; Sea coast defense (s); U. S.— Defenses

*Refer from* Sports; Tobogganing; Winter sports

*Refer from* Metals

*Refer from* Anesthetics; Narcotic habit

*Refer from* Agricultural products; Agriculture — Tropics; Beverages; Chocolate

*Refer from* Insects

✓ Cal internal in position.

Codes, Telegraphic, *see* Telegraph codes  
**Codling moth**

**Coeducation**  
*See also* Education of women

**Coelenterata**  
*See also* Corals and coral islands; Invertebrates

7 **Coffee**  
*See also* Beverages

Coffee-houses *see* Coffeehouses

**Coffeehouses**  
*See also* names of cities, subhead Hotels, taverns, etc.

**Cofferdams**  
*See also* Bridges — Foundations and piers; Foundations; Piles and pile driving

Cog-wheels *see* Gearing

Cogwheels *see* Gearing

**Coherers**  
*See also* Wireless telegraphy

Coiffure *see* Hairdressing

**Coinage**  
*See also* Bimetallism; Gold (as money); Legal tender; Mints; Money; Silver (as money)

Coins *see* Coinage; Numismatics

**Coke**  
**Cold**  
*See also* Frost; Heat; Temperature

**Cold (disease)**  
*See also* Bronchitis; Catarrh; Cough; Influenza; Respiratory organs — Diseases

**Cold storage**  
*See also* Food preservation and preservatives; Refrigeration and refrigerating machinery

Coleoptera *see* Beetles

**Collaboration**

Collecting *see* Collectors and collecting

Collective bargaining *see* Labor unions; Trade agreements

Collectivism *see* Communism; Socialism

**Collectors and collecting**  
*See also* names of objects collected, e.g. Antiques; Autographs; Book collecting; Plants — Collection and preservation; Postage stamps

Collects *see* Prayer books; Prayers

**College athletics**  
*See also* Athletics; Baseball; Basketball; Football; Rowing; School athletics; Track athletics

College degrees *see* Degrees, Academic

*Refer from* Fruit — Diseases and pests; Moths

*Refer from* Colleges and universities; Education; Education of women; Girls

*Refer from* Corals and coral islands; Invertebrates; Marine zoology; Polyps (s)

*Refer from* Agricultural products; Agriculture — Tropics; Beverages; Cookery; Stimulants

*Refer from* Coffee-houses (s); Hotels; Inns

*Refer from* Bridges — Foundations and piers; Civil engineering; Dams; Foundations; Hydraulic engineering; Piles and pile driving

*Refer from* Electric apparatus and appliances; Electric waves; Wireless telegraphy

*Refer from* Bimetallism; Bullion (s); Coins (s); Fiat money (s); Free coinage of silver (s); Gold (as money); Mints; Money; Numismatics; Silver (as money)

*Refer from* Carbon; Coal; Fuel

*Refer from* Climate; Freezing (s); Frost; Heat; Meteorology; Temperature

*Refer from* Catarrh; Cough; Influenza; Medicine — Practice; Respiratory organs — Diseases

*Refer from* Eggs; Food preservation and preservatives; Meat; Preservation of food (s); Refrigeration and refrigerating machinery; Refrigerators (s)

*Refer from* Authorship; Joint authorship (s); Literary collaboration (s)

*Refer from* Art; Collecting (s)

*Refer from* Athletics; Baseball; Basket-ball; College sports (s); Football; Games; Intercollegiate athletics (s); Physical education; Rowing; School athletics; Sports; Student life; Track athletics



**College education, Value of**

*See also* Culture

**College entrance requirements**

College fraternities *see* Fraternities, College

College gowns *see* Costume, Academic

College libraries *see* Libraries, College

College life *see* Student life

College periodicals *see* Students' periodicals

**College plays**

College poetry *see* College verse

**College sermons**

College settlements *see* Social settlements

**College songs**

College sports *see* College athletics

**College stories**

*See also* School stories

College students *see* Student life; Students

College theatricals *see* College plays

**College verse**

College yells *see* Yells

**Colleges and universities**

*See also* Agricultural colleges; Class day; Classical education; Coeducation; Commencements; Costume, Academic; Curriculum; Degrees, Academic; Education; Education of women; Fraternities, College; Hazing; Medical colleges; Research; Scholarships; Self-government (in education); Student life; Student volunteer movement; Students; Students' periodicals; Taxation, Exemption from; University extension; Vocational education; *also* headings beginning College

**—U. S.**

*See also* Education — U. S.; National university for the U. S.

Collisions (railroad) *see* Railroads — Accidents

**Collisions at sea**

*See also* Admiralty; Rule of the road; Salvage; Shipwrecks; Signals; Wireless telegraphy

**Colloids**

*See also* Catalysis; Chemistry, Physical

**Collotype**

*See also* Heliotype; Photomechanical processes

Colonial architecture *see* Architecture, Colonial

Colonial furniture *see* Furniture, Colonial

Colonial history (U. S.) *see* U. S.—History — Colonial period

**Colonial life and customs**

*See also* Architecture, Colonial; Furniture, Colonial; New England — Social life and customs; U. S.—History — Colonial period; *also* names of the thirteen original states and their cities, subhead Social life and customs

Colonial wars *see* U. S.—History — Colonial period

*Refer from* Culture; Education; Education, Higher (s); Higher education (s)

*Refer from* Entrance examinations (s); Examinations; High schools

*Refer from* Amateur theatricals; College theatricals (s); Drama

*Refer from* Baccalaureate sermons (s); Sermons

*Refer from* Drinking songs; Student songs (s); Songs

*Refer from* Fiction; School stories; Student life

*Refer from* College poetry (s); Poetry

*Refer from* Classical education; Education; Education, Higher (s); Higher education (s); Schools; Student life; Students; Universities (s)

*Refer from* Education — U. S.; U. S.—Colleges and universities (s); U. S.—Universities (s)

*Refer from* Accidents; Admiralty; Disasters; Maritime law; Navigation; Shipwrecks

*Refer from* Catalysis; Chemistry, Physical; Solution (chemistry)

*Refer from* Heliotype; Photography; Photomechanical processes

*Refer from* Frontier and pioneer life; New England — Social life and customs; U. S.—History — Colonial period U. S.—Social life and customs





**Colonies and colonization**

*See also* Farm colonies; Frontier and pioneer life; Immigration and emigration; Imperialism; Military government; Penal colonies; *also* U. S.—Insular possessions, and names of other countries, subhead Colonies

Colonization *see* Colonies and colonization

Colonization of negroes *see* Africa — Colonization; Negroes — Colonization

**Colophons**

*See also* Title-pages

**Color**

*See also* Chromolithography; Coal-tar colors; Dyes and dyeing; Indigo; Light; Painting; *also* headings beginning Color

**Color blindness**

*See also* Color sense

**Color of animals**

*See also* Albinos and albinism; Color of insects; Mimicry (biology)

**Color of flowers**

*See also* Botany — Physiology; Color of plants; Fertilization of plants

**Color of insects****Color of man**

*See also* Albinos and albinism; Hair

**Color of plants**

*See also* Botany — Physiology; Color of flowers

**Color photography****Color printing**

*See also* Chromolithography; Color photography; Color prints

**Color prints****Color sense**

*See also* Color blindness

Colored people *see* Negroes

Coloring of metals *see* Metal coloring

Colportage *see* Bible — Publication and distribution; Tracts

**Columns**

*See also* Architecture; Orders of architecture; Strength of materials

Combat, Trial by, *see* Wager of battle

**Combination, Industrial**

*See also* Employers' associations; Labor unions; Restraint of trade; Trusts

*Refer from* Colonization (s); Dependencies (s); Frontier and pioneer life; Government; History; Immigration and emigration; Imperialism; Sociology

*Refer from* Books; Cataloging; Incunabula; Printing; Title-pages

*Refer from* Chemistry; Chromatics (s); Dyes and dyeing; Esthetics; Light; Paint; Painting; Painting, Mechanical; Photometry; Pigments (s)

*Refer from* Blind; Color sense; Daltonism (s); Eye — Diseases and defects; Light; Sight

*Refer from* Animal coloration (s); Animals; Animals — Coloration (s); Biology; Evolution; Metachrosis (s); Mimicry (biology); Pigmentation (s); Variation (biology); Zoology

*Refer from* Botany; Botany — Physiology; Color of plants; Fertilization of plants; Flowers; Variation (biology)

*Refer from* Color of animals; Insects; Variation (biology)

*Refer from* Albinos and albinism; Anthropology; Complexion (s); Ethnology; Evolution; Face; Man; Negroes; Physiology; Pigmentation (s); Skin; Yellow races

*Refer from* Biology; Botany — Physiology; Color of flowers; Evolution; Plants; Plants — Color (s); Variation (biology)

*Refer from* Chromophotography (s); Color printing; Heliochromy (s); Photography; Photography, Color (s)

*Refer from* Chromolithography; Engraving; Printing

*Refer from* Chromolithography; Color printing; Engravings

*Refer from* Color blindness; Psychology; Psychology, Comparative; Senses and sensation; Sight; Vision (s)

*Refer from* Architecture; Orders of architecture; Pillars (s)

*Refer from* Cartels (economics) (s); Competition; Economics; Employers' associations; Industrial combination (s); Kartels (economics) (s); Labor and capital; Labor unions; Restraint of trade; Trades combination (s); Trusts



**Combustion**

*See also* Fire; Fuel; Heat; Mechanical draft; Smoke

Comedians *see* Actors; Comedy

**Comedy**

*See also* Burlesques; Drama

**Comets**

*See also* Astronomy

**Comic histories**

Comic literature *see* Humor; Satire

Comic operas *see* Operettas

**Commandments**

*See also* Bible — Old Testament — Exodus; Mosaic law

**Commencements**

*See also* Class day

Commentaries *see* Bible — Commentaries, and other subjects commented on

**Commerce**

*See also* Accounting; Advertising; Auctions; Balance of trade; Bankruptcy; Banks and banking; Boards of trade; Bookkeeping; Booksellers and bookselling; Business; Business depression; Canals; Capital; Carriers; Communication; Competition; Consumption (economics); Contraband of war; Contracts; Cooperation; Corporations; Credit; Debt; Economics; Embargo laws; Exchange; Fairs; Finance; Food supply; Foreign exchange; Freight; Fur trade; Gilds; Government regulation of industry; Grange; Hanseatic league; Harbors; Inland navigation; Insurance; Interest; International law; Interstate commerce; Labor unions; Loans; Manufactures; Maritime law; Marketing of farm produce; Markets; Merchants; Money; Monopolies; Navigation; Neutrality; Packing for shipment; Panics; Partnership; Pawnbroking; Prices; Profit sharing; Prosperity; Railroads; Reciprocity; Restraint of trade; Salesmanship; Shipping; Smuggling; Speculation; Stamp duties; Statistics; Steam navigation; Stock exchange; Stocks; Subsidies; Success; Tariff; Tariff question; Telegraph codes; Trade-marks; Trading companies; Transportation; Trust companies; Trusts; Warehouses; Waterways; Weights and measures; *also* headings beginning Commercial, names of articles of commerce, names of countries, subheads Commerce and Industries and resources, and names of cities, subheads Business and Industries

Commercial arithmetic *see* Arithmetic, Commercial

**Commercial correspondence****—French****Commercial courts**

Commercial crises *see* Business depression; Panics

Commercial education *see* Business education

*Refer from* Chemistry; Fire; Heat; Mechanical draft; Spontaneous combustion (s)

*Refer from* Burlesques; Comedians (s); Drama; Humor

*Refer from* Astronomy

*Refer from* History, Comic (s); Humor

*Refer from* Bible; Bible — Old Testament — Exodus; Decalogue (s); Ethics; Mosaic law; Ten commandments (s)

*Refer from* Colleges and universities; Graduation (s); High schools

*Refer from* Balance of trade; Business; Capital; Carriers; Communication; Consumption (economics); Economics; Exchange; Exportation (s); Exports (s); Finance; Foreign trade (s); Imports (s); Industrial arts; Manufactures; Merchandise (s); Merchants; Money; Navigation; Ocean; Railroads; Shipping; Tariff; Trade (s); Transportation

*Refer from* Business correspondence (s); Business education; Correspondence (s); Letter writing

*Refer from* French language

*Refer from* Commercial law; Courts



Commercial ethics *see* Business ethics

**Commercial geography**

*See also* Anthropogeography; Commercial products; Manufactures; Natural resources; Transportation

*Refer from* Commercial products; Economic geography (s); Geography; Geography, Commercial (s); Geography, Economic (s); Natural resources

**Commercial law**

*See also* Administrators and executors; Admiralty; Agency; Arbitration and conciliation, Industrial; Assignments; Attachment; Auditing; Bailments; Bankruptcy; Brokers and factors; Business; Carriers; Commercial courts; Competition; Consuls; Contracts; Conveyancing; Corporation law; Debt; Deeds; Exchange; Foreign exchange; Forms (in law); Guaranties and sureties; Insurance; Joint-stock companies; Landlord and tenant; Liens; Maritime law; Mortgages; Negotiable instruments; Notaries; Partnership; Property; Real estate; Sale; Trust companies; Trustees; Trusts; *also* subhead Law under various subjects, e.g. Banks and banking — Law

*Refer from* Admiralty; Agency; Assignments; Bailments; Bankruptcy; Business; Business education; Business law (s); Carriers; Consuls; Contracts; Corporation law; Debt; Forms (in law); Guaranties and sureties; Law; Mercantile law (s); Merchants; Negotiable instruments; Partnership; Sale

**Commercial paper** ~~*see* Negotiable instruments~~

**Commercial products**

*See also* Agricultural products; Animal products; Coal-tar products; Commercial geography; Forest products; Manufactures; Natural resources; *also* names of individual products, e.g. Asphalt, Petroleum; and names of countries, subhead Industries and resources

*Refer from* Agricultura products; Animal products; Commercial geography; Forest products; Natural resources; Products, Commercial (s); Raw materials (s)

Commercial ratings *see* Credit guides

Commercial schools *see* Business education

**Commercial travelers**

*See also* Peddlers and peddling; Salesmanship

*Refer from* Agents (s); Business; Drummers (s); Merchants; Salesmanship; Salesmen, Traveling (s); Traveling salesmen (s); Travelers

**Commercial treaties**

*See also* Reciprocity; Tariff; *also* names of countries, subhead Treaties

*Refer from* Favored nation clause (s); Most favored nation clause (s); Reciprocity; Tariff; Treaties

Commission government *see* Municipal government — Commission plan

**Committees**

*See also* Legislative bodies; Parliamentary practice

*Refer from* Legislative bodies; Parliamentary practice

Common carriers *see* Carriers

Common lands *see* Commons

**Common law**

*See also* Law, and references under that subject

*Refer from* Law

Common schools *see* Public schools

**Common sense**

*Refer from* Judgment; Psychology

**Commonplace books**

*Refer from* Literature

**Commons**

*See also* Mark (land); Parks; Vacant lot cultivation; Village communities

*Refer from* Common lands (s); Land tenure; Parks

Commonwealth of England *see* England — History — Civil war and commonwealth

Commune, Paris, *see* France — History — Third republic, 1870-; Paris — History — Siege and commune



**Communication**

*See also* Carriers; Commerce; Newspapers; Postal service; Printing; Railroads; Telegraph; Telegraph codes; Telephone; Transportation; Waterways; Wireless telegraphy  
Communion *see* Close communion; Lord's supper

**Communism**

*See also* Anarchism and anarchists; Harmonists; Individualism; Land nationalization; Shakers; Socialism; Tribes and tribal system; Village communities; *also* names of communities, e.g. Brook Farm

Communities *see* Communism; Village communities; *also* names of communities

**Commutators**

*See also* Dynamos; Electric motors

Comparative anatomy *see* Anatomy, Comparative

Comparative morphology *see* Anatomy, Comparative; Morphology

Comparative mythology *see* Mythology

Comparative philology *see* Language—Comparative philology

Comparative physiology *see* Physiology, Comparative

Comparative psychology, *see* Psychology, Comparative

Comparative religion *see* Religions

**Compass**

*See also* Magnetism, Terrestrial

Compassion *see* Sympathy

Compensation *see* Bounties; Damages; Employers' liability; Indemnity; Pensions; Rewards (prizes, etc.); Salaries; Wages

**Competition**

*See also* Combination, Industrial; Department stores; Monopolies; Supply and demand; Trusts

Competitive examinations *see* Civil service examinations; Examinations

Complexion *see* Beauty, Personal; Color of man; Cosmetics

Composers *see* Musicians

Composing machines *see* Typesetting machines

Composite photography *see* Photography, Composite

**Composition (art)**

*See also* Art; Painting; Proportion (art)

**Composition (English)**

*See also* Letter writing; Rhetoric

**Composition (music)**

*See also* Canon (music); Counterpoint; Fugue; Harmony; Instrumentation and orchestration; Melody; Music; Musical accompaniment

Composition (printing) *see* Typesetting

*Refer from* Carriers; Commerce; Economics; Transportation

*Refer from* Collectivism (s); Communities (s); Cooperation; Economics; Government; Individualism; Labor and laboring classes; Land nationalization; Profit sharing; Property; Socialism; Socialistic communities (s); Sociology; Village communities

*Refer from* Armatures; Dynamos; Electric machinery; Electric motors; Electromagnets

*Refer from* Declination of the compass (s); Magnetic needle (s); Magnetism; Magnetism, Terrestrial; Mariner's compass (s); Navigation; Surveying instruments; Variation of the compass (s)

*Refer from* Business; Business ethics; Commerce; Commercial law; Economics; Monopolies; Supply and demand; Trusts

*Refer from* Art; Painting; Proportion (art)

*Refer from* Composition (rhetoric) (s); English composition (s); English language; English language—Composition (s); Rhetoric

*Refer from* Music; Music—Theory; Musical composition (s)





Composition (rhetoric) *see* Composition (English); Letter writing; Rhetoric; *also* names of languages other than English, e.g. German language — Composition

**Compressed air**

*See also* Air compressors; Caisson disease; Pneumatic tubes; Vacuum cleaning systems

Compressed air disease *see* Caisson disease

**Compressibility**

*See also* Elasticity; Matter

**Compromise**

**Compulsory education**

*See also* Child labor; Illiteracy; School attendance; School laws; Truancy

Compulsory insurance *see* Insurance, State and compulsory

Concentration *see* Attention

**Concentration camps**

*See also* South African war, 1899-1902

Concentration of schools *see* Schools — Centralization

Concert halls *see* Music halls

**Concerts**

Conchology *see* Mollusks

Conciliation, Industrial, *see* Arbitration and conciliation, Industrial

Concordances *see* Bible — Concordances, and names of authors to whose works concordances have been made

**Concrete**

*See also* Asphalt; Building materials; Cement; Concrete, Reinforced; Concrete construction; Concrete pottery; Masonry; Pavements; Stone, Artificial

**—Reinforced**

*See also* Building materials; Concrete; Concrete construction

**Concrete construction**

*See also* Concrete, Reinforced; Fireproof construction

**Concrete pottery**

Concrete steel *see* Concrete, Reinforced

**Concretions**

*See also* Geology

Condemnation of land *see* Eminent domain

Condemned books *see* Prohibited books

**Condensation**

*See also* Atmospheric nucleation

**Condensers (electricity)**

*See also* Electrostatics

**Condensers (steam)**

*See also* Steam engines

**Condiments**

*See also* Salt; Spices

*Refer from* Air; Air compressors; Air engines; Caissons; Foundations; Motors; Pneumatic transmission (s); Pneumatic tubes; Power; Power transmission

*Refer from* Hydrostatics; Matter; Physics

*Refer from* Ethics; Political ethics

*Refer from* Child labor; Education; Education, Compulsory (s); School attendance; School laws

*Refer from* Camps (military); Military art and science; Prisoners of war

*Refer from* Amusements; Entertainments; Music

*Refer from* Béton (s); Building materials; Cement; Concrete, Reinforced; Foundations; Masonry; Pavements; Stone, Artificial

*Refer from* Armored concrete (s); Building materials; Concrete; Concrete construction; Concrete steel (s); Ferro-concrete (s); Reinforced concrete (s); Steel construction

*Refer from* Architecture; Building; Concrete; Concrete, Reinforced; Fireproof construction; Steel construction

*Refer from* Concrete; Garden ornaments and furniture; Pottery

*Refer from* Geology

*Refer from* Atmospheric nucleation; Chemistry; Physics

*Refer from* Electric apparatus and appliances; Electric condensers (s); Electrostatics; Induction coils

*Refer from* Steam; Steam engines

*Refer from* Food; Salt; Spices



**Conduct of life**

*See also* Altruism; Ambition; Asceticism; Avarice; Boys; Business ethics; Character; Charity; Cheerfulness; Children; Christian life and character; Citizenship; Conversation; Courage; Courtesy; Culture; Duty; Eccentricity; Egoism; Ethics; Etiquet; Extravagance; Friendship; Gentlemen; Girls; Habit; Honesty; Idleness; Justice; Kindness; Leisure; Life; Loyalty; Obedience; Opportunity; Patience; Patriotism; Popularity; Procrastination; Prudence; Self-control; Self-culture; Self-denial; Self-reliance; Self-respect; Selfishness; Simple life; Solitude; Spiritual life; Standard of living; Success; Temperance; Thrift; Virtue; Work; Worry; Young men; Young women; Youth

**Conducting (music)**

*See also* Bands (music); Choirs; Orchestras

Conductivity, Electric, *see* Electric conductivity

Conductors, Electric, *see* Electric conductors

Conduits *see* Aqueducts

**Confectionery**

*See also* Chocolate; Ices

Confederacies *see* Federal government

**Confession**

*See also* Absolution; Penance; Sin

Confessions of faith *see* Creeds

**Confirmation**

*See also* Church membership; Lord's supper

**Confiscation**

Conflagrations *see* Fires

**Confucianism**

*See also* Ancestor worship; Buddhism; China — Religion; Taoism

**Congregationalism**

*See also* Antinomianism; Baptists; Brownists; Calvinism; Church polity; Dissenters; Friends, Society of; New England — Religious history; Orthodoxy; Presbyterianism; Puritans; Unitarianism; Universalism

Congress, U. S., *see* U. S. — Congress

Congresses *see* names of bodies holding congresses; or, when not held by any named body, *see* name of congress, if distinctive, otherwise name of place of meeting

**Conic sections**

*See also* Curves; Ellipse; Geometry, Analytic; Mathematics

**Conjuring**

*See also* Conjurors; Magic; Medicine men; Voodooism; Witchcraft

**Conjurors**

Connecticut Reserve *see* Western Reserve

*Refer from* Behavior (s); Character; Christian life and character; Duty; Ethics; Ethics, Practical (s); Life; Practical ethics (s); Self-help (s); Success; Young men; Young women

*Refer from* Bands (music); Choirs; Orchestras

*Refer from* Candy (s); Cookery; Manufactures; Sugar

*Refer from* Absolution; Auricular confession (s); Catholic church; Church discipline; Church polity; Penance; Repentance; Sin; Theology

*Refer from* Church membership; Church of England; Church polity; Protestant Episcopal church in the U. S.; Rites and ceremonies; Sacraments; Theology

*Refer from* International law; Law; Property

*Refer from* Ancestor worship; China — Religion; Religions

*Refer from* Baptists; Brownists; Calvinism; Church polity; Dissenters; Independents (church polity) (s); New England — Religious history; Orthodoxy; Puritans; Sects

*Refer from* Curves; Ellipse; Geometry; Geometry, Analytic; Mathematics

*Refer from* Amusements; Illusions and hallucinations; Juggling (s); Legerdemain (s); Magic; Necromancy (s); Prestidigitation (s); Sleight of hand (s)

*Refer from* Biography; Conjuring



**Consanguinity**

*See also* Deaf and dumb; Degeneration; Epilepsy; Family; Idiocy; Insanity; Marriage

*Refer from* Ethnology; Eugenics; Heredity; Kinship (s); Marriage; Relationship (s); Tribes and tribal system

**Conscience**

*See also* Christian ethics; Liberty of conscience

*Refer from* Cases of conscience (s); Casuistry (s); Christian ethics; Duty; Ethics; Religion; Theology

**Consciousness**

*See also* Automatism; Knowledge; Perception; Personality; Psychology; Reaction time; Senses and sensation; Subconsciousness

*Refer from* Automatism; Metaphysics; Personality; Psychology

**Conscription**

*See also* Draft riot, 1863; Military service; Recruiting and enlistment

*Refer from* Drafting, Military (s); Military art and science; Military service; Recruiting and enlistment

Consecration of churches *see* Church dedication

Conservation of energy *see* Force and energy

**Conservation of resources**

*See also* Forests and forestry; Mines and mineral resources; Natural resources; Reclamation of land; Water power

*Refer from* Forests and forestry; Natural resources; Resources (s)

Conservatories *see* Greenhouses

**Consolation**

*Refer from* Affliction; Death; Devotional exercises; Religion; Suffering

Consolidation of schools *see* Schools — Centralization

**Conspiracies**

*See also* Assassination; Gunpowder plot; Popish plot

*Refer from* Crime and criminals; Criminal law; History

**Constables**

*See also* Arrest; Police

*Refer from* Arrest; Law; Police; Town officers

Constants *see* Units

Constellations *see* Astronomy; Stars

**Constitutional history**

*See also* Aristocracy; Cabinet system; Constitutions; Democracy; *also* names of countries and states, subhead Constitution

*Refer from* Constitutions; Government; History; History, Constitutional (s)

**Constitutional law**

*See also* Amendments (parliamentary practice); Civil rights; Constitutions; Democracy; Eminent domain; Executive power; Federal government; Government; Habeas corpus; Injunctions; Jurisdiction; Jury; Legislative bodies; Monarchy; Natural law; Police power; Proportional representation; Referendum; Representative government and representation; Republics; Sovereignty; Suffrage

*Refer from* Civil rights; Constitutions; Eminent domain; Executive power; Government; Habeas corpus; Jurisdiction; Jury; Law; Police power; Representative government and representation; Sovereignty; U. S. — Constitution

**Constitutions**

*See also* Constitutional history; Constitutional law; Government; Representative government and representation; *also* names of countries and states, subhead Constitution — Apostolic, *see* Apostolic constitutions

*Refer from* Constitutional history; Constitutional law; Government; Law

**State**

*See also* State governments; *also* names of states, subhead Constitution

*Refer from* State constitutions (s); State governments; States (U. S.); U. S. — Constitution

Construction *see* Architecture; Building; Engineering

Consular service *see* Consuls; Diplomatic and consular service



## **Consuls**

*See also* Commercial law; Diplomacy; Diplomatic and consular service; Extraterritoriality; *also* names of countries, subhead Diplomatic and consular service

## **Consumers' leagues**

*See also* Sweating system

Consumption *see* Tuberculosis

## **Consumption (economics)**

*See also* Commerce; Economics; Industry;

Prices; Supply and demand

Contact action *see* Catalysis

## **Contagion and contagious diseases**

*See also* Bacteriology; Disinfection and disinfectants; Epidemics; Flies; Fumigation; Germ theory of disease; Immunity; Inoculation; Insects as carriers of contagion; Mosquitoes; Putrefaction; Quarantine; Rats as carriers of contagion; Vaccination; *also* names of diseases, e.g. Black death; Cholera, Asiatic; Diphtheria; Measles; Plague; Scarlet fever; Smallpox; Typhoid fever; Yellow fever

Contagious diseases *see* Contagion and contagious diseases

Contemporaries *see* Biography

## **Contentment**

*See also* Cheerfulness; Happiness

## **Continents**

*See also* Physical geography

Continuation schools *see* Evening and continuation schools

Continuous current machinery *see* Electric machinery

## **Contraband of war**

*See also* Neutrality; Trent affair, 1861

## **Contract labor**

*See also* Coolies; Indentured servants;

Padrone system; Peonage

Contractions *see* Abbreviations; Ciphers

## **Contracts**

*See also* Agency; Assignments; Bailments; Bonds; Building — Contracts and specifications; Commercial law; Covenants; Debt; Deeds; Guaranties and sureties; Insurance; Master and servant; Mortgages; Negligence; Partnership; Sale; Trade agreements

Contributory negligence *see* Negligence

Controllers, Electric, *see* Electric controllers

Conundrums *see* Riddles

## **Convalescent homes**

Conventions *see* names of bodies holding conventions; or, when not held by any named body, *see* name of convention if distinctive, otherwise name of place of meeting; *also* names of countries and cities, subhead Conventions and public meetings

Conventions, Political, *see* Political conventions

*Refer from* Commercial law; Consular service (s); Diplomacy; Diplomatic and consular service; Diplomats; Extraterritoriality; International law; International relations

*Refer from* Boycott; Clothing; Food adulteration and inspection; Hygiene, Public; Labor and laboring classes; Sweating system

*Refer from* Commerce; Economics; Luxury; Supply and demand

*Refer from* Contagious diseases (s); Diseases (s); Epidemics; Hygiene, Public; Immunity; Infection and infectious diseases (s); Medicine; Medicine — Practice; Pathology; Putrefaction; Zymotic diseases (s)

*Refer from* Ethics; Gladness (s); Happiness; Pleasure

*Refer from* Geography; Physical geography

*Refer from* Commerce; International law; Maritime law; Neutrality; Prizes (international law); War

*Refer from* Indentured servants; Labor and laboring classes; Padrone system; Peonage

*Refer from* Agency; Agreements (s); Commerce; Commercial law; Law

*Refer from* Hospitals; Sanatoriums





**Convents and nunneries**

*See also* Abbeys; Monasteries; Monasticism; Nuns; Religious orders

**Conversation**

*See also* Table-talk

**Conversion**

*See also* Christian life and character; Evangelistic work; Grace (theology); Missions; Regeneration (theology); Repentance; Revivals; Salvation

Converters, Electric, *see* Electric current converters

**Conveyancing**

*See also* Deeds; Forms (in law); Land titles; Mortgages; Real estate; Torrens system

**Conveying machinery**

*See also* Cableways; Hoisting machinery; Mining machinery; Pneumatic tubes; Telpherage

Conveyors *see* Conveying machinery

**Convict labor**

*See also* Prisons

Conviction *see* Belief; Certainty

Convicts *see* Convict labor; Crime and criminals; Discharged prisoners; Penal colonies; Prisons

Cook books *see* Cookery

Cookbooks *see* Cookery

**Cookery**

*See also* Aladdin oven; Baking; Baking powder; Bread; Breakfasts; Cake; Canning and preserving; Carving (meat, etc.); Catering; Cereals, Prepared; Chafing dish; Coffee; Confectionery; Cookery for the sick; Cooking schools; Desserts; Diet; Dinners and dining; Fireless cookers; Fish as food; Flavoring extracts; Food; Home economics; Kitchen; Luncheons; Menus; Ovens; Pastry; Salads; Sandwiches; Sauces; Soup; Table; Yeast

—Eggs

—Meat

—Mushrooms

—Vegetables

**Cookery for the sick**

*See also* Diet

Cooking *see* Cookery

**Cooking schools****Coolies**

*See also* Labor and laboring classes — China; Labor and laboring classes — India  
Cooling appliances *see* Refrigeration and refrigerating machinery

**Cooperage****Cooperation**

*See also* Benefit societies; Brook Farm; Building and loan associations; Communism;

*Refer from* Abbeys; Catholic church; Church history; Church property; Cloisters (s); Monasteries; Monasticism; Nunneries (s); Nuns; Sisterhoods

*Refer from* Conduct of life; Etiquet; Language; Rhetoric; Self-culture; Society; Speech; Talking (s)

*Refer from* Christian life and character; Evangelistic work; Missions; Regeneration (theology); Religious experience (s); Repentance; Revivals; Salvation; Theology

*Refer from* Commercial law; Deeds; Forms (in law); Land titles; Land transfer (s); Law; Property; Real estate; Sale; Torrens system

*Refer from* Cableways; Conveyors (s); Hoisting machinery; Machinery; Mining machinery; Telpherage

*Refer from* Convicts (s); Crime and criminals; Labor and laboring classes; Prison labor (s); Prisons

*Refer from* Baking; Bread; Breakfasts; Canning and preserving; Carving (meat, etc.); Chemistry, Household; Cook books (s); Cookbooks (s); Cooking (s); Desserts; Diet; Dinners and dining; Domestic arts; Eating; Food; Gastronomy (s); Home economics; Industrial arts; Kitchen; Luncheons; Pastry; Receipts; Recipes (s); Salads; Sauces; Soup; Table

*Refer from* Eggs

*Refer from* Meat

*Refer from* Mushrooms

*Refer from* Vegetables

*Refer from* Cookery; Diet; Food for invalids (s); Invalid cookery (s); Nurses and nursing

*Refer from* Cookery

*Refer from* Contract labor; Labor and laboring classes

*Refer from* Barrels (s); Casks (s); Manufactures; Staves (s)

*Refer from* Association (s); Commerce; Cooperative stores (s); Economics; Labor and



Cooperative agriculture; Cooperative house-keeping; Labor unions; Profit sharing; Savings banks; Socialism

**Cooperative agriculture**

~~✓ Cooperative banks *See* Building and loan associations~~

Cooperative building associations *see* Building and loan associations

**Cooperative housekeeping**

Cooperative stores *see* Coöperation

Coordinate geometry *see* Geometry, Analytic

**Copper**

*See also* Brass; Bronze; Copper mines and mining; Coppersmithing; Metals

**Copper age**

*See also* Archaeology; Bronze age

**Copper mines and mining**

**Coppersmithing**

*See also* Arts and crafts; Metal coloring

**Coptic church**

*See also* Eastern churches; Egypt — Religion

**Coptic language**

*See also* African languages; Hamitic languages

**Copyright**

*See also* Authorship; Books; Booksellers and bookselling; Publishers and publishing; Titles of books

**Corals and coral islands**

*See also* Coelenterata

**Cordage**

*See also* Fibers; Knots and splices; Rope

**Corn**

*See also* Feeding and feeding stuffs; Grain

**Corn laws**

Corners, Commercial, *see* Monopolies; Speculation; Stock exchange; Trusts

**Cornices**

*See also* Architecture

**Cornish language**

*See also* Celtic languages

**Coronations**

*See also* Crowns

**Coroners**

**Corporal punishment**

*See also* Flogging; School management

**Corporation law**

*See also* Commercial law; Municipal law; Railroads — Law; Trusts

capital; Labor and laboring classes; Labor unions; Profit sharing; Rochdale system (s); Socialism; Sociology

*Refer from* Agriculture; Cooperation

*Refer from* Cooperation; Home economics; Housekeeping (s)

*Refer from* Metals; Sheet-metal work

*Refer from* Archaeology; Bronze age

*Refer from* Copper; Mines and mineral resources

*Refer from* Arts and crafts; Copper; Metal coloring; Metal work

*Refer from* Eastern churches; Egypt — Religion; Greek church

*Refer from* African languages; Egyptian language; Hamitic languages

*Refer from* Authors; Authorship; Books; Booksellers and bookselling; Intellectual property (s); International copyright (s); Law; Literary property (s); Literature; Play-right (s); Property; Property, Intellectual (s); Publishers and publishing

*Refer from* Coelenterata; Islands

*Refer from* Hemp; Rope

*Refer from* Feeding and feeding stuffs; Forage plants; Grain; Indian corn (s); Maize(s)

*Refer from* Agricultural laws; Agriculture; Economics; England — Economic conditions; Food supply; Tariff; Tariff — England

*Refer from* Architecture

*Refer from* Celtic languages

*Refer from* Crowns; Monarchy; Pageants; Rites and ceremonies

*Refer from* County officers; Death; Inquests, Coroners' (s); Law; Local government

*Refer from* Children — Management; Flogging; Punishment; Rod, The (s); School management; Teaching; Whipping (s)

*Refer from* Commercial law; Corporations; Government regulation of industry; Law; Municipal law; Trusts



## ✓ **Corporations**

*See also* Bankruptcy; Bonds; Building and loan associations; Clubs; Corporation law; Gilds; Government ownership; Investments; Joint-stock companies; Municipal corporations; Promoting; Public service corporations; Publicity; Receivers; Stocks; Trust companies; Trusts

### **—Taxation**

## **Corpulence**

Correlation of forces *see* Force and energy

✓ **Correspondence** *see* Commercial correspondence; Letter writing; Letters; Reporting; War correspondence

**Correspondence schools and courses**

## **Corrosion and anti-corrosives**

*See also* Paint; Waterproofing

Corrupt practices at elections *see* Elections; Political corruption

Corruption in politics *see* Political corruption

Corsairs *see* Pirates

## **Corundum**

*See also* Abrasives

## **Cosmetics**

*See also* Beauty, Personal; Make-up, Theatrical; Perfumery; Toilet

Cosmogony *see* Universe

Cosmography *see* Universe

Cosmology *see* Universe

## **Cossacks**

*See also* Russia — History

## **Cost**

*See also* Prices; Value

**Cost accounting** *see* Accounting

*See also* Accounting

## ✓ **Cost of living**

*See also* Prices; Rent; Standard of living; Thrift; Wages

## **Costs**

*See also* Pleading and practice

## **Costume**

*See also* Boots and shoes; Church vestments; Clothing; Cosmetics; Dandies; Dress reform; Dressmaking; Fans; Fashion; Gloves; Hairdressing; Hats; Headgear; Hosiery; Jewelry; Livery; Masks (for the face); Millinery; Perfumery; Regalia; Shawls; Toilet; Umbrellas; Uniforms

### **—Academic**

*Refer from* Associations (s); Bonds; Business; Capitalization (finance) (s); Charters; Commerce; Finance; Government regulation of industry; Joint-stock companies; Partnership; Promoting; Societies; Stock companies (s); Stocks; Trusts

*Refer from* Franchise taxation (s); Taxation

*Refer from* Fat (s); Food; Obesity (s)

*Refer from* Education; Home education; Schools; Self-culture; Technical education; University extension

*Refer from* Anti-corrosive paint (s); Chemistry, Technical; Electrolysis; Iron; Metal corrosion (s); Metal protection (s); Metals; Paint; Rust (s); Rustless coatings (s); Steel; Steel construction; Waterproofing

*Refer from* Abrasives

*Refer from* Beauty, Personal; Complexion (s); Costume; Face; Make-up, Theatrical; Toilet

*Refer from* Ethnology — Russia; Russia — History

*Refer from* Economics; Value

*Refer from* Accounting; Bookkeeping; Factory costs (s); Factory management; Manufactures; Scientific management

*Refer from* Economics; Food; Home economics; Household expenses (s); Labor and laboring classes; Living, Cost of (s); Living expenses (s); Poor; Price of food (s); Prices; Social problems; Standard of living; Thrift; Wages

*Refer from* Actions at law; Law; Pleading and practice

*Refer from* Archaeology; Art; Beauty, Personal; Church vestments; Clothing; Dress (s); Ethnology; Fancy dress (s); Fans; Fashion; Gloves; Hairdressing; Hats; Headgear; Manners and customs; Masquerades; Millinery; Regalia; Style (in dress) (s); Toilet; Uniforms; Women

*Refer from* Academic costume (s); Cap and gown (s); Caps and gowns (s); College gowns (s); Colleges and universities; Hoods, Academic (s)

*[Faint handwritten notes]*

**Costume—Continued**

—Military, *see* Arms and armor; Uniforms  
—U. S.

**Cotillion**

*See also* Balls (parties); Dancing

**Cottages**

*See also* Architecture, Domestic; Bungalows; Country houses; Log cabins

**Cotton**

*See also* Dyes and dyeing; Fibers; Khaki; Mercerization; Textile industry and fabrics; Weaving

—**Cultivation and manufacture**

*See also* Cotton famine, 1861–1864; Textile factories; Textile industry and fabrics

—**Diseases and pests**

*See also* Boll weevil

Cotton-boll weevil *see* Boll weevil.

Cotton famine, 1861–1864

Cotton growing *see* Cotton — Cultivation and manufacture

Cotton manufacture *see* Cotton — Cultivation and manufacture

Cotton mills *see* Cotton — Cultivation and manufacture; Textile factories

Cotton pests *see* Cotton — Diseases and pests

Cough  
*See also* Bronchitis; Cold (disease); Respiratory organs — Diseases

**Councils and synods**

*See also* Church history; *also* special councils and synods, e.g. Vatican council

**Counterfeits**

*See also* Antiques, Forged; Art forgeries; Bank notes; Forgery; Imposture; Money

**Counterpoint**

*See also* Canon (music); Fugue

**Counter-reformation**

*See also* Catholic church — History; Jesuits; Reformation; Thirty years' war

**Counting out**

**Country houses**

*See also* Architecture, Domestic; Bungalows; Cottages; Farm buildings

**Country life**

*See also* Camping; City and country; Farm life; Gardening; Hunting; Outdoor life; Pastoral poetry; Peasantry; Simple life; Sports

**Country schools**

*See also* Schools — Centralization

*Refer from* U. S.— Costume (s); U. S.— Social life and customs

*Refer from* Balls (parties); Dancing; German (dance) (s)

*Refer from* Architecture, Domestic; Architecture, Rural (s); Country houses; Rural architecture (s); Summer cottages (s); Villas (s)

*Refer from* Agricultural products; Agriculture — Tropics; Fibers; Textile industry and fabrics; Yarn

*Refer from* Cotton growing (s); Cotton manufacture (s); Cotton mills (s); Textile industry and fabrics

*Refer from* Agricultural pests; Boll weevil; Cotton pests (s); Insects, Injurious and beneficial; Plants — Diseases

*Refer from* Cotton — Cultivation and manufacture

*Refer from* Bronchitis; Cold (disease); Lungs; Respiratory organs — Diseases

*Refer from* Catholic church — Councils (s); Catholic church — History; Church councils (s); Church history; Church law; Church polity; Ecumenical councils (s); Fathers of the church; Synods (s)

*Refer from* Bank notes; Crime and criminals; Forgery; Fraud; Imposture; Money

*Refer from* Canon (music); Composition (music); Harmony; Music; Music — Theory

*Refer from* Anti-reformation (s); Catholic church — History; Reformation

*Refer from* Folklore; Games; Nursery rhymes

*Refer from* Architecture, Domestic; Architecture, Rural (s); Cottages; Farm houses (s); Rural architecture (s); Suburban houses (s); Summer cottages (s); Villas (s)

*Refer from* City and country; Farm life; Outdoor life; Rural life (s); Simple life

*Refer from* District schools (s); Education; Education, Elementary; Public schools; Rural schools (s); Schools





**County officers**

*See also* Coroners; Local government; Sheriffs

County option *see* Local option

Coup d'état of 1851 *see* France — History —

Coup d'état

Couplings *see* Car couplings

**Courage**

*See also* Heroes

Courses of study *see* Curriculum; Study clubs

**Coursing**

*See also* Hares

Court fools *see* Fools

Court life *see* Courts and courtiers

**Courtesy**

*See also* Etiquet

Courtiers *see* Courts and courtiers

**Courts**

*See also* Admiralty; Appeal; Chancery; Commercial courts; Courts martial; Judges; Jurisdiction; Jury; Juvenile courts; Law; Moot courts; Pleading and practice; Probate law and practice; Trials; Vigilance committees; *also* names of countries and cities, subhead Courts

—Municipal

**Courts and courtiers**

*See also* Diplomatic memoirs; Kings and rulers; Precedence; Princes and princesses; Queens and empresses; *also* names of countries, subhead Court and courtiers

**Courts martial**

*See also* Military law

**Courts of love**

*See also* Troubadours

**Courtship**

*See also* Love; Marriage

**Covenanters**

*See also* Church of Scotland; Presbyterianism; Reformation — Scotland; Scotland — Religious history

**Covenants****Cover crops**

Cover design *see* Book covers

Covetousness *see* Avarice

Cow *see* Cows

**Cowboys**

*See also* Ranch life

**Cows**

*See also* Cattle; Dairying; Horns; Milk; Milking

Cradle songs *see* Lullabies

Crafts *see* Arts and crafts; Handicraft; Industrial arts

**Cranes, derricks, etc.**

*See also* Hoisting machinery

Craniology *see* Skull

**Cranks (machinery)**

*Refer from* Law; Local government

*Refer from* Bravery (s); Conduct of life; Ethics; Fear; Heroes; Heroism (s); Valor (s)

*Refer from* Hares; Hunting; Sports

*Refer from* Conduct of life; Ethics; Etiquet; Gentlemen; Manners (s); Politeness (s)

*Refer from* Judiciary (s); Jurisdiction; Law; Pleading and practice

*Refer from* Municipal corporations; Municipal courts (s); Police courts (s); U. S.— Courts

*Refer from* Court life (s); Courtiers (s); Etiquet; Kings and rulers; Monarchy; Princes and princesses; Queens and empresses; Society

*Refer from* Courts; Martial law; Military law; Military trials (s); Trials

*Refer from* Chivalry; Love, Courts of (s)

*Refer from* Love; Marriage

*Refer from* Church history — Modern; Church of Scotland; Presbyterianism; Reformation — Scotland; Scotland — Religious history

*Refer from* Church membership; Church polity; Contracts

*Refer from* Agriculture

*Refer from* Cattle; Frontier and pioneer life; Live stock; Ranch life; Western states

*Refer from* Cattle; Cow (s); Dairying; Domestic animals; Live stock; Milk

*Refer from* Derricks (s); Hoisting machinery; Machinery

*Refer from* Machinery

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**Crayon drawing**

*See also* Pastel

**Cream**

*See also* Dairy products; Dairying; Milk

**Cream separators**

*See also* Dairying

✓ **Creameries**

*See also* Dairying

**Creation**

*See also* Bible — Old Testament — Genesis; Earth; Evolution; Geology; God; Man — Origin and antiquity; Mythology; Religion and science; Teleology; Theology; Universe

**Crèches**

✓ **Credit**

*See also* Agricultural credit; Banks and banking; Credit guides; Debt; Debts, Public; Instalment plan; Loans; Money; Negotiable instruments

✓ **Crédit foncier** *see* Agricultural credit

**Credit guides**

**Creeds**

*See also* Apostles' creed; Athanasian creed; Catechisms; Nicene creed; *also* names of churches, sects, etc., subhead Catechisms and creeds

**Cremation**

*See also* Urn burial

**Creoles**

**Crests** *see* Heraldry

**Cretaceous period** *see* Geology, Stratigraphic — Cretaceous; Paleontology — Cretaceous

**Cribbage**

*See also* Cards

**Cricket (game)**

**Cries** *see* Battle cries; Street cries; Yells

**Crime and criminals**

*See also* Adulterations; Adultery; Alcoholism; Anarchism and anarchists; Anthropometry; Assassination; Bertillon system; Bribery; Brigands and robbers; Burglary; Capital punishment; Conspiracies; Convict labor; Counterfeits; Criminal law; Dacoits; Defectives; Degeneration; Detectives; Discharged prisoners; Education and crime; Embezzlement; Extradition; Forgery; Fraud; Gambling; Graft; Heredity; Identification; Indeterminate sentence; Infanticide; Juvenile delinquency; Kidnapping; Larceny; Lotteries; Lynch law; Mafia; Murder; Mutiny; Outlaws; Pardon; Parole; Penal colonies; Perjury; Pirates; Police; Political offenses; Prisons; Probation system; Prostitution; Punishment; Reformatories; Regicides; Riots; Smuggling; Suicide; Swindlers and swindling; Thieves; Thugs; Tramps; Treason; Trials; Vice; Vigilance committees; Women — Crime; Workhouses; *also* names of cities, sub-head Crime and criminals

*Refer from* Drawing; Portraits

*Refer from* Dairy products; Dairying; Milk

*Refer from* Dairying; Milk; Separators, Cream (s)

*Refer from* Dairying

*Refer from* Bible; Bible — Old Testament — Genesis; Earth; Earth — Age; Evolution; Geology; God; Man; Man — Origin and antiquity; Natural religion; Philosophy; Religion and science; Teleology; Theology; Universe

*Refer from* Charities; Children — Charities, protection, etc.; Day nurseries (s); Nurseries, Day (s)

*Refer from* Banks and banking; Bills of credit (s); Bills of exchange (s); Business; Commerce; Debt; Economics; Finance; Money; Speculation

*Refer from* Commercial ratings (s); Credit

*Refer from* Belief; Catechisms; Church history; Church membership; Confessions of faith (s); Faith; Symbolica (s); Symbolism (theology) (s); Theology

*Refer from* Burial; Burning the dead (s); Death; Hygiene, Public; Mortuary customs (s)

*Refer from* Latin races; Louisiana; Southern states

*Refer from* Cards

*Refer from* Ball (s); Games

*Refer from* Anthropology; Biography; Convicts (s); Criminal anthropology (s); Criminal law; Criminals (s); Criminology (s); Dangerous classes (s); Defectives; Degeneration; Dependent classes (s); Ethics; Felony (s); Government; Identification; Immorality (s); Law; Outlaws; Police; Prisons; Punishment; Sin; Social problems; Sociology; Vice

- Crop: 100%

**Crime and criminals**—Continued

**—U. S.**

*See also* Prisons — U. S.

**Crimean war**

*See also* Europe — History — 1789–; Russia — History; Turkey — History

Criminal anthropology *see* Crime and criminals

**Criminal law**

*See also* Arrest; Bail; Capital punishment; Conspiracies; Crime and criminals; Evidence; Extradition; Indeterminate sentence; Jury; Juvenile courts; Law; Ordeals; Perjury; Prisons; Probation system; Punishment; Trials; Vigilance committees; *also* special crimes, e.g. Assault, Murder

Criminals *see* Crime and criminals

Criminology *see* Crime and criminals

Crises, Commercial, *see* Business depression;

Panics

**Critical philosophy**

*See also* Philosophy, German

**Criticism**

*See also* Art — Criticism; Bible — Criticism and interpretation; Book reviews; Esthetics; Literature — History and criticism; Music — History and criticism; Rhetoric; *also* names of literatures, subhead History and criticism

**Crocheting**

*See also* Fancy work

Crockery *see* Pottery

**Cromlechs**

Crop reports *see* Agriculture — Statistics; Agriculture — [country subhead] — Statistics

Crop rotation *see* Rotation of crops

**Crops**

*See also* Agricultural products; Agriculture; Agriculture — Statistics; Rotation of crops; *also* names of special crops, e.g. Root crops

**Croquet**

**Cross**

*See also* Christian art and symbolism; Crucifixion; Swastika; Symbolism

Cross-country running *see* Running

Cross-examination *see* Witnesses

Cross-ties *see* Railroads — Ties

Crosses *see* Cross

Crossings, Railroad, *see* Railroads — Crossings

**Croup**

*See also* Respiratory organs — Diseases

**Crowds**

*See also* Lynch law; Riots; Social psychology

**Crown gall**

Crown lands *see* Public lands

*Refer from* Prisons — U. S.; U. S.— Crime and criminals (s)

*Refer from* Eastern question (Near East); England — History — Victorian period; Europe — History — 1789–; France — History — Second empire; Russia — History; Russo-Turkish war, 1853–1856 (s); Turkey — History

*Refer from* Crime and criminals; Law; Penal codes (s); Penal law (s); Punishment

*Refer from* Kantianism (s); Philosophy; Philosophy, Critical (s); Philosophy, German

*Refer from* Appraisal of books (s); Book reviews; Books — Appraisal (s); Esthetics; Evaluation of literature (s); Literary criticism (s); Literature; Literature — History and criticism; Rhetoric

*Refer from* Fancy work; Needlework

*Refer from* Archaeology; Dolmens (s); Monuments; Tombs

*Refer from* Agricultural products; Agriculture

*Refer from* Games

*Refer from* Archaeology; Christian art and symbolism; Crosses (s); Crucifixion; Jesus Christ; Legends; Symbolism; Theology

*Refer from* Children — Diseases; Medicine — Practice; Respiratory organs — Diseases

*Refer from* Mobs (s); Psychology; Social psychology; Sociology

*Refer from* Fruit — Diseases and pests; Fungi; Galls (botany)

## ✓ Currency Associations

### ✓ Currency associated with

" " - U.S.

" " - U.S. - 1800-89,

" " - U.S. - 1890-1899

" " - U.S. - 1900-1909

" " - A.B.A. 1910,

" " - A.B.A. 1911

" " 1912 - date

" " 1912

" " 1913

**Crowns**

*See also* Coronations

**Crucifixion**

*See also* Cross; Jesus Christ — Passion

**Cruelty**

*See also* Animals — Treatment

Cruisers *see* Warships

**Crusades**

*See also* Children's crusade; Chivalry;  
Middle ages — History; Saracens

Crusoe stories *see* Castaways

**Crustacea**

*See also* Arthropoda; Trilobites

**Cryptogams**

*See also* Algae; Botany; Ferns; Fungi;  
Lichens; Mosses

Cryptography *see* Ciphers

**Crypts**

*See also* Tombs

**Crystal gazing**

Crystallization *see* Crystallography

**Crystallography**

*See also* Mineralogy

Cultivated plants *see* Plants, Cultivated

Cultivating *see* Tillage

Cultivation of vacant lots *see* Vacant lot cultivation

**Culture**

*See also* Civilization; College education,  
Value of; Education; Humanism; Scholars;  
Self-culture

— Primitive, *see* Civilization — History

**Culverts**

*See also* Bridges

Cumberland, Army of the, *see* Army of the  
Cumberland

**Cumberland road****Cuneiform writing**

*See also* Assyrian language; Assyro-Babylonian literature

Cup races *see* America's cup; Yachts and yachting

**Cupola furnaces**

*See also* Foundry work

**Cupping**

*See also* Bloodletting

Curates *see* Clergy

**Curfew law****Curling**

*See also* Winter sports

Currency *see* Money

Currents *see* Electric currents; Ocean currents;  
Winds

Currents, Alternating, *see* Electric currents,  
Alternating

*Refer from* Coronations; Regalia

*Refer from* Cross; Punishment

*Refer from* Ethics

*Refer from* Children's crusade; Chivalry;  
Church history — Middle ages; History; Middle  
ages — History; Saracens

*Refer from* Arthropoda; Invertebrates; Marine  
zoology; Trilobites

*Refer from* Algae; Botany; Bryophytes (s);  
Ferns; Fungi; Lichens; Mosses

*Refer from* Church architecture; Tombs  
*Refer from* Divination; Fortune telling;  
Occult sciences

*Refer from* Chemistry; Chemistry, Physical;  
Crystallization (s); Groups, Theory of;  
Mineralogy

*Refer from* Civilization; College education,  
Value of; Conduct of life; Education; Learning (s);  
Scholars; Scholarship (s)

*Refer from* Arches; Bridges; Hydraulic  
engineering; Railroads — Construction

*Refer from* National road (s); Roads —  
U. S.; Middle states

*Refer from* Alphabet; Assyrian language;  
Assyro-Babylonian literature; Inscriptions;  
Writing

*Refer from* Blast furnaces; Foundry work;  
Furnaces; Tuyeres (s)

*Refer from* Bloodletting; Therapeutics

*Refer from* Children — Law

*Refer from* Games; Winter sports





**Curriculum**

*See also* Classical education; Overpressure (education); Vocational education

Curved surfaces *see* Surfaces

**Curves**

*See also* Circle; Conic sections; Curves in engineering

**Curves in engineering**

*See also* Civil engineering

Customs *see* Manners and customs; Tariff

Cut glass *see* Glass

Cutaneous diseases *see* Skin — Diseases

**Cutlery**

*See also* Knives

Cutter classification *see* Classification, Expansive

Cutting *see* Dressmaking; Garment cutting; Tailoring

**Cutworms****Cyanide process**

*See also* Metallurgy

Cyanotype *see* Blue prints

Cycles, Motor, *see* Motor cycles

**Cycling**

*See also* Bicycles and tricycles; Motor cycles

**Cyclones**

*See also* Hurricanes; Storms; Tornadoes

Cyclopedias *see* Encyclopedias

**Cycloramas**

*See also* Panoramas

Cymric language *see* Welsh language

Cymric literature *see* Welsh literature

Cyphers *see* Ciphers

Cytokinesis *see* Karyokinesis

Cytology *see* Cells

Czechic language *see* Bohemian language

Czechic literature *see* Bohemian literature

**Czechs**

*See also* Bohemia; Slavs

**Dacoits****Daguerreotypes**

*See also* Photography

**Daily readings**

Dairy *see* Dairying

**Dairy bacteriology**

*See also* Bacteriology, Agricultural; Cheese; Milk

Dairy chemistry *see* Agricultural chemistry; Dairy bacteriology

**Dairy products**

*See also* Butter; Cheese; Cream; Dairying; Milk; Oleomargarine

*Refer from* Classical education; Colleges and universities; Courses of study (s); Education; Overpressure (education); Schools; Teaching

*Refer from* Calculus; Conic sections; Geometry; Geometry, Analytic

*Refer from* Civil engineering; Curves; Engineering; Railroads — Construction

*Refer from* Hardware; Knives; Manufactures; Metal work

*Refer from* Insects, Injurious and beneficial; Moths

*Refer from* Electrometallurgy; Gold; Metallurgy; Ore treatment; Silver

*Refer from* Bicycles and tricycles; Bicycling (s); Locomotion; Sports; Tricycling (s); Wheeling (s)

*Refer from* Hurricanes; Meteorology; Storms; Tornadoes; Winds

*Refer from* Panoramas

*Refer from* Bohemia; Slavs

*Refer from* Brigands and robbers; Crime and criminals; Dakoits (s); Murder

*Refer from* Photography

*Refer from* Calendar; Devotional exercises; Quotations

*Refer from* Bacteriology; Bacteriology, Agricultural; Cheese; Chemistry, Dairy (s); Dairy chemistry (s); Dairying; Milk

*Refer from* Agricultural products; Animal products; Butter; Cheese; Cream; Dairying; Milk



## **Dairying**

*See also* Butter; Cattle; Cheese; Cows; Cream; Cream separators; Creameries; Dairy bacteriology; Dairy products; Goats; Milk; Milking

*Refer from* Agriculture; Butter; Cattle; Cheese; Cows; Cream; Cream separators; Creameries; Dairy (s); Dairy products; Home economics; Milk; Milking

Dakoits *see* Dacoits

Daltonism *see* Color blindness

## **Damages**

*See also* Appraising; Arbitration and award; Demurrage; Eminent domain; Employers' liability; Indemnity; Libel and slander; Negligence

*Refer from* Accidents; Agency; Appraising; Arbitration and award; Compensation (s); Demurrage; Eminent domain; Employers' liability; Indemnity; Injuries (s); Law; Negligence; Property; Torts

Damascening *see* Damaskeening

## **Damaskeening**

*Refer from* Damascening (s); Inlay; Metal work

## **Dampness in buildings**

*Refer from* Buildings, Dampness in (s); Humidity; Waterproofing

## **Dams**

*See also* Cofferdams; Embankments; Hydraulic engineering; Irrigation; Masonry; Reservoirs; Walls

*Refer from* Earthwork; Hydraulic engineering; Irrigation; Masonry; Reservoirs; Rivers; Walls; Water supply; Weirs (s)

## **Dance music**

*See also* Dancing; Waltzes

*Refer from* Dancing; Instrumental music; Music; Waltzes

## **Dancing**

*See also* Ballet; Balls (parties); Cotillion; Dance music; Indians — Dances; Morris dance

*Refer from* Amusements; Ballet; Balls (parties); Cotillion; Dance music; Ethics; Etiquet; Folk dances (s); Morris dance; Waltzing (s)

*Refer from* Beaux (s); Costume; Fashion; Fops (s)

## **Dandies**

## **Danegeld**

*See also* Taxation — England

*Refer from* Taxation

## **Danes in the U. S.**

*See also* Scandinavians in the U. S.

*Refer from* Scandinavians in the U. S.; U. S. — Foreign population

Dangerous classes *see* Crime and criminals; Poor

Dangerous occupations *see* Occupations, Dangerous

## **Danish language**

*See also* Scandinavian languages

*Refer from* Germanic languages; Scandinavian languages

## **Danish literature**

*See also* Norwegian literature; Scandinavian literature

*Refer from* Norwegian literature; Scandinavian literature

Darbyites *see* Plymouth brethren

Dark ages *see* Middle ages

Darning *see* Mending and repairing

Darwinism *see* Darwin, Charles; Evolution; Natural selection

Dates *see* Chronology, Historical

Day nurseries *see* Crèches

Day of judgment *see* Judgment day

Dayaks *see* Dyaks

## **Daylight saving**

*Refer from* Hours of labor; Time

## **Days**

*See also* Almanacs; Birthdays; Fasts and feasts; Festivals; Holidays; Night; *also* names of days of the week, and of special days, e.g. April fools' day; May day

*Refer from* Time

## **Deaconesses**

*Refer from* Church polity; Church work; Sisterhoods; Women



**Deacons**

For deacons in orders *see* Clergy

**Dead** *see* Death**Deaf and dumb**

*See also* Deafness; Defectives; Lip reading; Sign language

**—Asylums and education**

Deaf-mutes *see* Deaf and dumb

**Deafness**

*See also* Deaf and dumb; Ear; Hearing

**Death**

*See also* Autopsy; Biology; Burial; Conso-  
lation; Coroners; Cremation; Embalming;  
Eschatology; Funeral rites and ceremonies;  
Future life; Future punishment; Heaven;  
Hell; Mortality; Mourning customs; Mur-  
der; Purgatory; Resurrection; Suicide; Vital  
statistics

—Apparent. *see* Suspended animation

Death-bed words *see* Last words of famous  
people

Death duties *see* Inheritance and transfer tax

Death notices *see* Obituaries

Death penalty *see* Capital punishment

Death rate *see* Mortality; Vital statistics

Death records *see* Vital records

Debates *see* Debating; *also* names of legisla-  
tive bodies, etc.

**Debating**

*See also* Elocution; Logic; Oratory; Par-  
liamentary practice

**Debt**

*See also* Assignments; Bankruptcy; Com-  
mercial law; Credit; Debts, Public; Limita-  
tions (law); Loans

**Debts, Public**

*See also* Drago doctrine; Finance; Loans;  
Repudiation; Sinking funds; *also* names of  
countries and cities, subhead Finance

Decadence *see* Degeneration

Decalogue *see* Commandments

Decimal classification *see* Classification, Dec-  
imal

**Decimal system**

*See also* Metric system; Weights and  
measures

Declamation *see* Elocution; Orations; Recita-  
tions and readings

**Declaration of independence**

*See also* Fourth of July; U. S. — History  
— Revolution

—Signers

Declination of the compass *see* Compass

**Decoration and ornament**

*See also* Arabesque; Architectural design;  
Architecture; Art; Arts and crafts; Bas-  
relief; Bric-a-brac; Bronzes; Bronzing;  
Cabinet work; Carving (art industries);  
China painting; Church decoration and  
ornament; Design, Decorative; Devices;

*Refer from* Church polity

*Refer from* Consanguinity; Deaf-mutes (s);  
Deafness; Defectives; Dumb (s); Ear; Lip  
reading; Sign language; Speech

*Refer from* Asylums; Charities; Charities,  
Medical; Education

*Refer from* Deaf and dumb; Ear; Hearing;  
Medicine — Practice

*Refer from* Biology; Dead (s); Eschatology;  
Future life; Life; Mortality; Mortuary cus-  
toms (s); Theology

*Refer from* Argument (s); Debates (s); Dis-  
cussion (s); Elocution; Logic; Oratory

*Refer from* Bankruptcy; Commerce; Com-  
mercial law; Credit; Contracts; Law; Loans

*Refer from* Bonds; Credit; Debt; Economics;  
Finance; National debts (s); Public debts (s);  
Repudiation; State debts (s)

*Refer from* Arithmetic; Metric system;  
Money; Notation (mathematics); Weights  
and measures

*Refer from* Fourth of July; U. S. — History  
— Revolution

*Refer from* Signers of the Declaration of  
independence (s); U. S. — Biography; U. S. —  
History — Revolution — Biography

*Refer from* Arabesque; Architecture; Art;  
Art, Decorative (s); Arts and crafts; Bric-a-  
brac; Cabinet work; Design, Decorative;  
Drawing; Fancy work; House decoration;  
Ornament (s); Painting; Wood carving

1. 2. 3. 4. 5.

Embroidery; Enamel; Fancy work; Floral decoration; Frescoes; Furniture; Gems; House decoration; Illumination of manuscripts and books; Illustration of books; Inlay; Ironwork; Jewelry; Lettering; Metal work; Moldings; Monograms; Mosaics; Mural painting and decoration; Painting; Plant forms; Pottery; School decoration; Sculpture; Stained glass; Stencil work; Stucco; Tapestry; Terra cotta; Textile design; Vases; Window dressing; Wood carving

Decoration day *see* Memorial day

#### **Decorations of honor**

*See also* Heraldry; Insignia; Medals; Titles of honor and nobility; Victoria cross

Decorative design *see* Design, Decorative

Dedication of books *see* Book dedication

Dedication of churches *see* Church dedication

#### **Deeds**

*See also* Acknowledgments; Charters; Conveyancing; Easements; Gifts; Land titles; Real estate; Torrens system

Deep-sea fauna *see* Marine zoology

Deep-sea sounding *see* Sounding and soundings

#### **Deer**

*See also* Reindeer; Ungulata

Defalcation *see* Embezzlement

Defamation *see* Libel and slander

#### **Defectives**

*See also* Auxiliary schools; Blind; Children, Abnormal and backward; Crime and criminals; Deaf and dumb; Deformities; Degeneration; Feeble-minded; Idiocy; Insanity; Juvenile delinquency

Defenses, National, *see* Coast defense; *also* names of countries, subhead Defenses

#### **Definition**

#### **Deformities**

*See also* Defectives; Monsters

#### **Degeneration**

*See also* Crime and criminals; Defectives; Evolution; Heredity; Insanity; Physical deterioration; Vice

#### **Degrees, Academic**

Degrees of latitude and longitude *see* Geodesy;

Latitude and longitude

Dehorning of cattle *see* Horns

#### **Deism**

*See also* Atheism; Christianity; Free thought; God; Positivism; Rationalism; Skepticism; Theism

#### **Delaware Indians**

*See also* Algonquian Indians

*Refer from* Badges of honor (s); Heraldry; Insignia; Medals; Titles of honor and nobility

*Refer from* Acknowledgments; Commercial law; Contracts; Conveyancing; Documents (s); Forms (in law); Land; Land titles; Real estate

*Refer from* Cervidae (s); Game; Hunting; Ungulata

*Refer from* Auxiliary schools; Blind; Children, Abnormal and backward; Crime and criminals; Deaf and dumb; Deformities; Degeneration; Dependent classes (s); Feeble-minded; Heredity; Idiocy; Insanity; Juvenile delinquency; Mentally deficient children (s); Social problems; Sociology

*Refer from* Language; Words

*Refer from* Defectives; Monsters; Orthopedics (s); Physiology; Surgery; Teratology (s)

*Refer from* Anthropology; Civilization; Consanguinity; Crime and criminals; Decadence (s); Defectives; Eugenics; Evolution; Heredity; Insanity; Physical deterioration; Physiology; Vice

*Refer from* Academic degrees (s); Bachelor's degrees (s); College degrees (s); Colleges and universities; Doctor's degrees (s); Honorary degrees (s); Scholars; Titles of honor and nobility; University degrees (s)

*Refer from* Atheism; Christianity; Free thought; God; Natural religion; Philosophy; Rationalism; Religion; Skepticism; Theism; Theology

*Refer from* Algonquian Indians; Lenape Indians (s); Lenni Lenape (s)



*Pseudotsuga*

Delinquent children *see* Juvenile delinquency

**Delsarte system**

*See also* Expression

**Deltas**

*See also* Physical geography

**Deluge**

*See also* Bible — Old Testament — Genesis

Delusions *see* Errors, Popular; Illusions and hallucinations; Imposture; Medical delusions; Sea serpents; Superstition; Swindlers and swindling; Witchcraft

Demand and supply *see* Supply and demand

Dementia *see* Insanity

**Democracy**

*See also* Aristocracy; Despotism; Equality; Federal government; Government; Liberty; Monarchy; Referendum; Representative government and representation; Republics; Socialism; Suffrage; Town meeting

**Democratic party**

*See also* Tammany Hall; U. S. — Politics

Demonetization of silver *see* Silver (as money)

**Demonology**

*See also* Amulets; Apparitions; Charms; Devil; Devil worship; Evil eye; Magic; Occult sciences; Superstition; Witchcraft

Demonstration work in agriculture *see* Agriculture — Demonstration work

**Demurrage**

*See also* Carriers; Damages

Denatured alcohol *see* Alcohol, Denatured

Dendrology *see* Trees

Denominational schools *see* Church and education; Church schools

Denominations, Religious, *see* Sects; *also* names of churches and sects

Density *see* Specific gravity

**Dentistry**

*See also* Dentists; Mouth; Teeth

**Dentists**

Denudation *see* Erosion

**Department stores**

*See also* Mail order business

Departmental system of teaching *see* Teaching — Departmental system

Dependencies *see* Colonies and colonization

Dependent children *see* Children — Charities, protection, etc.

Dependent classes *see* Charities; Crime and criminals; Defectives; Poor

Deportation *see* Penal colonies

Deposition (geology) *see* Sedimentation and deposition

Depots *see* Railroads — Stations

**Depravity**

*See also* Sin

Dermatology *see* Skin

Derricks *see* Cranes, derricks, etc.

*Refer from* Dramatic expression (s); Elocution; Expression; Gesture; Physical education

*Refer from* Physical geography; Rivers

*Refer from* Bible; Bible — Old Testament — Genesis; Earth; Flood (s); Geology

*Refer from* Aristocracy; Constitutional history; Constitutional law; Despotism; Equality; Federal government; Free institutions; Government; Liberty; Monarchy; People; Popular government (s); Presidential government (s); Representative government and representation; Republics; Self-government (s)

*Refer from* Political parties; U. S. — Politics

*Refer from* Angels; Apparitions; Devil; Devil worship; Evil spirits (s); Ghosts; Occult sciences; Spirits (s); Superstition; Witchcraft

*Refer from* Admiralty; Carriers; Damages; Freight; Transportation

*Refer from* Medicine; Professions; Surgery; Teeth

*Refer from* Biography; Dentistry

*Refer from* Business; Competition; Stores (s)

*Refer from* Sin; Theology; Total depravity (s)



**Dervishes**

*See also* Mohammedanism

Descent *see* Genealogy; Heredity; Primogeniture

Description (rhetoric) *see* Descriptive writing

Descriptive geometry *see* Geometry, Descriptive

**Descriptive writing**

*See also* Rhetoric

Desecration *see* Sacrilege

**Desert vegetation**

*See also* Dry farming

**Deserts**

*See also* Desert vegetation; Mirage; Oases; Reclamation of land

Design, Architectural, *see* Architectural design

Design, Argument for, *see* Teleology

**Design, Decorative**

*See also* Architectural design; Art; Arts and crafts; Book covers; Carving (art industries); Decoration and ornament; Drawing; Lettering; Plant forms; Stencil work; Textile design

Design, Machine, *see* Machine design

Des Moines plan of city government *see*

Municipal government — Commission plan

**Despotism**

*See also* Democracy; Kings and rulers; Liberty; Monarchy; Paternalism; Tyranny

**Desserts**

*See also* Cookery; Dinners and dining; Ices

Destiny *see* Fate and fatalism

Details, Architectural, *see* Architecture — Details

**Detective stories****Detectives**

*See also* Detective stories; Police; Secret service

**Determinants**

*See also* Algebra

Determinism *see* Freedom of the will

Determinism, Economic, *see* Economic determinism

Detroit plan *see* Vacant lot cultivation

Development *see* Embryology; Evolution; Growth

**Devices**

*See also* Emblems; Heraldry; Insignia; Mottoes; Symbolism

**Devil**

*See also* Demonology; Devil worship

**Devil worship**

*See also* Demonology; Occult sciences

Devonian period *see* Geology, Stratigraphic — Devonian; Paleontology — Devonian

Devotion *see* Devotional exercises; Prayer; Worship

**Devotional exercises**

*See also* Church music; Church services; Consolation; Daily readings; Family wor-

*Refer from* Mohammedanism; Religions

*Refer from* Description (rhetoric) (s); Rhetoric

*Refer from* Botany; Deserts; Dry farming

*Refer from* Oases; Physical geography

*Refer from* Art; Art, Decorative (s); Arts and crafts; Book covers; Decoration and ornament; Decorative design (s); Drawing; Floral design (s); Ornamental design (s); Plant forms

*Refer from* Absolutism (s); Caesarism (s); Democracy; Government; Monarchy; Paternalism; Tyranny

*Refer from* Cookery; Dinners and dining

*Refer from* Detectives; Fiction

*Refer from* Crime and criminals; Police; Secret service

*Refer from* Algebra

*Refer from* Coats of arms (s); Decoration and ornament; Emblems; Heraldry; Insignia; Mottoes; Symbolism

*Refer from* Demonology; Folklore; Satan (s); Superstition; Theology

*Refer from* Demonology; Devil; Worship

*Refer from* Christian life and character; Church services; Devotion (s); Family wor-



- ship; Hymns; Liturgies; Lord's prayer; Lord's supper; Meditations; Prayers; Responsive worship; Worship
- Dew**  
*See also* Humidity
- Dewey classification *see* Classification, Decimal
- Diabetes**
- Diagnosis**  
*See also* Auscultation; Medicine — Practice; Pain; Pathology; Sphygmograph; X rays
- Dialect recitations *see* Recitations and readings, Dialect
- Dialectics *see* Logic
- Dialects**  
*See also* Slang; *also* names of languages, subhead Dialects
- Dialing *see* Sundials
- Dialogues**  
*See also* Recitations and readings
- Dials *see* Sundials
- Diamagnetism**  
*See also* Magnetism
- Diamond drilling *see* Boring; Rock drills
- Diamond necklace affair**  
*See also* Marie Antoinette
- Diamonds**  
*See also* Gems; Mineralogy; Precious stones
- Dice**
- Dictionaries**  
*See also* Classical dictionaries; Dictionaries, English; Encyclopedias; Technical dictionaries; *also* subhead Dictionaries under names of languages other than English, and under special subjects
- **English**  
*See also* English language — Dialects; Synonyms and antonyms, English
- Didactics *see* Teaching
- Dies**  
*See also* Forging; Metal work; Punching machinery; Sheet-metal work
- Diet**  
*See also* Animal food; Beverages; Children — Care and hygiene; Cookery; Cookery for the sick; Digestion; Dyspepsia; Food; Menus; Nutrition; School lunches; Starvation; Stimulants; Vegetarianism
- Differential calculus *see* Calculus
- Diffraction**  
*See also* Light
- Digestion**  
*See also* Absorption (physiology); Diet; Digestive system; Dyspepsia; Enzymes; Food; Metabolism; Nutrition; Stomach
- Digestive system**  
*See also* Anatomy; Digestion; Intestines; Liver; Mouth; Physiology; Stomach; Teeth
- Dikes (engineering) *see* Embankments
- ship; Meditations; Prayer; Prayers; Religion; Religious services (s); Worship
- Refer from* Humidity; Meteorology; Night; Water
- Refer from* Medicine — Practice
- Refer from* Auscultation; Medicine; Medicine — Practice; Pathology; Surgery; Symptoms (s)
- Refer from* Language
- Refer from* Amateur theatricals; Drama; Literature; Recitations and readings
- Refer from* Magnetism; Physics
- Refer from* France — History — Bourbons; Marie Antoinette
- Refer from* Carbon; Gems; Mineralogy; Precious stones
- Refer from* Gambling; Games
- Refer from* Encyclopedias; Lexicons (s); Reference books
- Refer from* Dictionaries; English dictionaries (s); English language; English language — Dictionaries (s)
- Refer from* Forging; Metal work; Punching machinery; Sheet-metal work
- Refer from* Cookery; Cookery for the sick; Digestion; Eating; Food; Food for invalids (s); Home economics; Hygiene; Invalids; Nurses and nursing; Nutrition; Therapeutics
- Refer from* Light
- Refer from* Absorption (physiology); Diet; Digestive system; Dyspepsia; Food; Indigestion (s); Metabolism; Nutrition; Physiological chemistry; Physiology; Stomach
- Refer from* Alimentary canal (s); Anatomy; Digestion; Intestines; Liver; Physiology; Stomach



**Dikes (geology)**

*See also* Igneous rocks

Dimension, Fourth, *see* Fourth dimension

Dining *see* Dinners and dining

**Dinners and dining**

*See also* After-dinner speeches; Carving (meat, etc.); Cookery; Desserts; Drinking customs; Eating; Food; Menus; Table; Toasts

Diocesan schools *see* Church schools

Dioptrics *see* Refraction

**Diphtheria**

*See also* Antitoxins

**Diplomacy**

*See also* Ambassadors; Consuls; Diplomatic and consular service; Diplomatic memoirs; Diplomats; International law; International relations; Precedence; Treaties; *also* names of countries, subheads Diplomatic and consular service and Foreign relations

**Diplomatic and consular service**

*See also* Ambassadors; Consuls; Diplomacy; Diplomatic memoirs; Diplomats; Extritoriality; International law; International relations; *also* names of countries, subhead Diplomatic and consular service

**Diplomatic memoirs**

Diplomatics *see* Paleography

**Diplomats**

*See also* Ambassadors; Consuls

Dipsomania *see* Alcoholism

**Diptera**

*See also* Flies; Hessian flies; Insects; Mosquitoes; Tsetse flies

Direct legislation *see* Referendum

Direct nominations *see* Nominations; Primaries

Direct primaries *see* Primaries

Direct taxation *see* Income tax; Taxation

Direction, Sense of, *see* Orientation

**Directories**

*See also* names of places and subjects, subhead Directories

Directory, French, *see* French revolution

Dirigible balloons *see* Airships

**Disarmament**

*See also* Arbitration, International; Armies; International relations; Militarism; Navies; Peace; Sea power; War

**Disasters**

*See also* Accidents; Collisions at sea; Earthquakes; Fires; Floods; Mine accidents; Railroads — Accidents; Red cross; Shipwrecks; Storms; *also* special disasters

**Discharged prisoners**

*See also* Parole

*Refer from* Dykes (s); Geology; Igneous rocks

*Refer from* Banquets (s); Cookery; Desserts; Dining (s); Drinking customs; Eating; Entertaining; Etiquet; Food; Gastronomy (s); Home economics; Meals (s); Menus; Table

*Refer from* Children — Diseases; Contagion and contagious diseases; Medicine — Practice

*Refer from* Ambassadors; Consuls; Diplomatic and consular service; Government; History; International law; International relations; Ministers of state; Statesmanship (s); Treaties

*Refer from* Ambassadors; Consular service (s); Consuls; Diplomacy; Diplomats; Government; International law; International relations; Legations (s)

*Refer from* Biography; Courts and courtiers; Diplomacy; Diplomatic and consular service; History — Sources; International relations

*Refer from* Ambassadors; Biography; Diplomacy; Diplomatic and consular service; International relations; Statesmen

*Refer from* Flies; Insects; Mosquitoes

*Refer from* Arbitration, International; Armaments (s); Armies; International relations; Militarism; Military art and science; Military power (s); Navies; Peace; Sea power; War

*Refer from* Accidents; History; Relief work (s)

*Refer from* Convicts (s); Crime and criminals; Ex-convicts (s); Parole; Prisoners, Discharged (s); Prisons; Social work





## **Disciples of Christ**

Discipline, Ecclesiastical, *see* Church discipline

Discipline, Mental, *see* Mental discipline

Discipline, School, *see* School management

## **Discount**

*See also* Banks and banking; Interest

Discoverers *see* Discoveries and explorations; Explorers; Inventors

Discoveries (in geography) *see* Discoveries and explorations

Discoveries (in science) *see* Industrial arts; Inventions; Patents; Science

## **Discoveries and explorations**

*See also* Antarctic regions; Arctic regions; Explorers; Geography — History; North-east passage; Northwest passage; Scientific expeditions; Voyages and travels; *also* names of countries, subheads Description and travel and Discovery and exploration

Discussion *see* Debating

Disease *see* Pathology

Disease germs *see* Bacteriology; Germ theory of disease

Diseases *see* Medicine — Practice; *also* names of diseases and of classes of diseases, e.g. Contagion and contagious diseases, Mental diseases; and subhead Diseases under various subjects, e.g. Children — Diseases, Nervous system — Diseases, Occupations — Diseases and hygiene

Diseases of animals *see* Animals — Diseases; Veterinary medicine

Diseases of plants *see* Plants — Diseases

Disestablishment *see* Church and state; Church of England — Establishment

Disfranchisement *see* Suffrage

Dishonesty *see* Honesty

## **Disinfection and disinfectants**

*See also* Antiseptics; Formaldehyde; Fumigation; Putrefaction

## **Dislocations**

*See also* Bones; Joints; Radiography; Surgery; X rays

## **Dispensaries**

*See also* Charities, Medical; Hospitals

## **Dispensary system**

*See also* Gothenburg system

## **Dispensatories**

*See also* Materia medica; Pharmacopoeias

Disposal of refuse *see* Refuse and refuse disposal

## **Dissection**

*See also* Anatomy; Anatomy, Comparative; Autopsy; Vivisection

## **Dissenters**

*See also* Brownists; Church of England; Church rates; Congregationalism; England — Religious history; Friends, Society of; Methodism; Nonjurors; Presbyterianism; Puritans

*Refer from* Campbellites (s); Christian church (Disciples) (s); Church of Christ (Disciples) (s); Sects

*Refer from* Banks and banking; Interest

*Refer from* Adventure; Discoverers (s); Discoveries (in geography) (s); Explorations (s); Explorers; Geography; Geography — History; Heroes; History; Voyages and travels

*Refer from* Antiseptics; Cleanliness; Contagion and contagious diseases; Formaldehyde; Fumigation; Cermicides (s); Hygiene; Hygiene, Public; Putrefaction; Sanitation

*Refer from* Bones; Joints; Luxations (s); Surgery

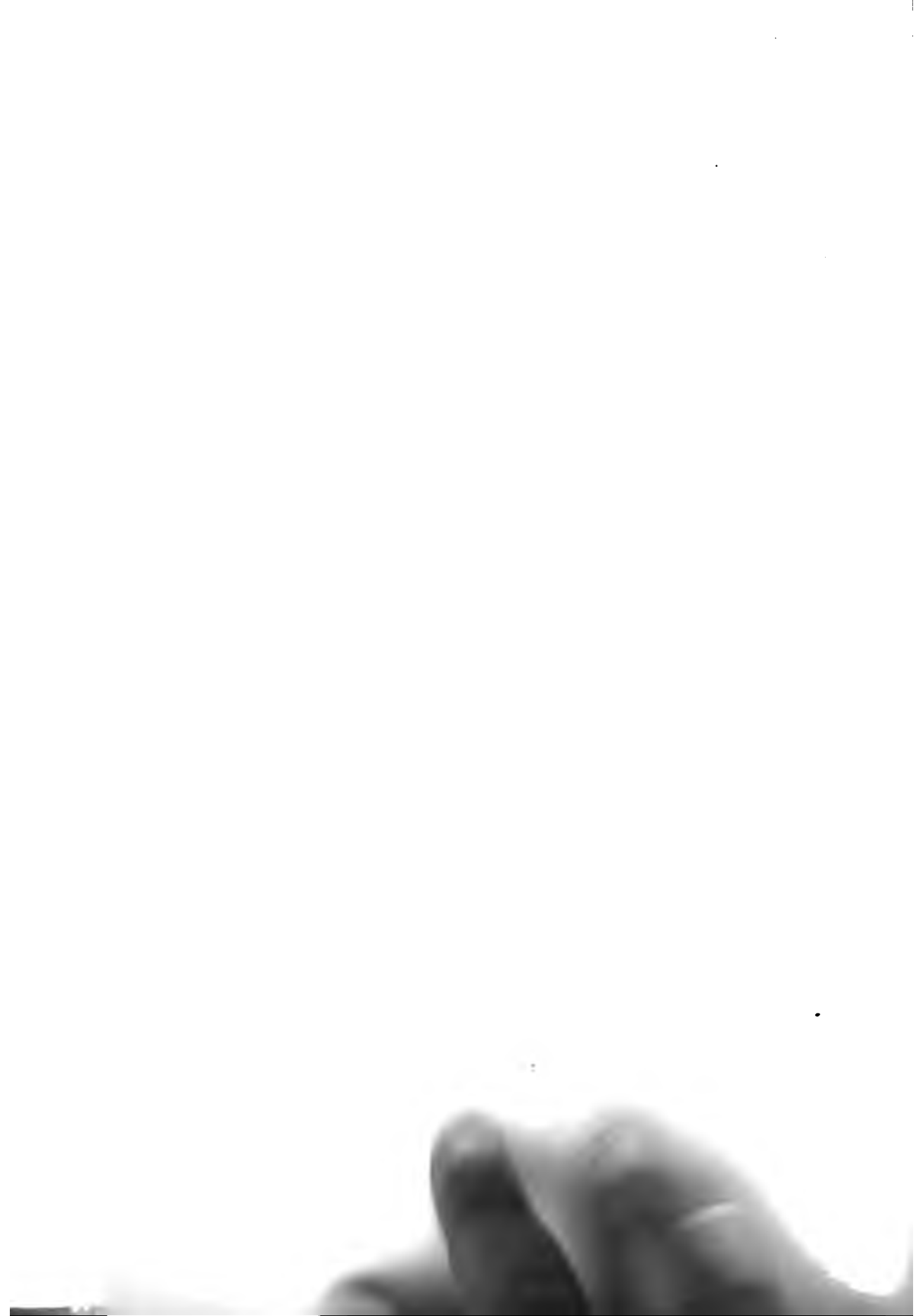
*Refer from* Charities; Charities, Medical; Hospitals

*Refer from* Gothenburg system; Liquor laws; Liquor traffic

*Refer from* Drugs; Materia medica; Medical botany; Pharmacopoeias; Pharmacy

*Refer from* Anatomy; Surgery; Vivisection

*Refer from* Brownists; Church history; Church history — Modern; Church of England; Congregationalism; Liberty of conscience; Nonconformists (s); Puritans; Sects



**Dissociation**

*See also* Chemistry, Physical; Electrochemistry; Electrolysis; Electrolytes; Electrons; Ions

**Distances****Distillation**

*See also* Alcohol; Brandy; Chemistry, Technical; Coal-tar products; Essences and essential oils; Liquors; Wood distillation

Distribution of animals and plants *see* Geographical distribution of animals and plants

Distribution of electricity *see* Electricity — Distribution

Distribution of seed by the government *see* Seeds — Distribution

Distribution of wealth *see* Economics; Wealth

District nurses *see* Nurses and nursing

District schools *see* Country schools

→ Dividends *see* Securities; Stocks

**Divination**

*See also* Astrology; Clairvoyance; Crystal gazing; Divining rod; Dreams; Fortune telling; Occult sciences; Omens; Palmistry; Prophecies; Second sight; Superstition

Divine healing *see* Faith cure; Miracles

**Divine right of kings**

*See also* Monarchy

**Diving**

*See also* Diving bells; Pearls; Swimming

**Diving bells****Divining rod**

Divinity *see* Jesus Christ — Divinity; Theology

Divinity schools *see* Theological schools

**Divorce**

*See also* Marriage

**Docks**

*See also* Civil engineering; Harbors; Wharves

Doctors *see* Physicians and surgeons

Doctor's degrees *see* Degrees, Academic

Doctrinal theology *see* Theology

Doctrines *see* Theology

Documents *see* Archives; Charters; Deeds; Government publications; *also* under name of body issuing

Dog *see* Dogs

Dog stories *see* Dogs — Stories

**Doges**

*See also* Genoa; Venice

Dogmatic theology *see* Theology

**Dogs**

*See also* Carnivora; Domestic animals; Hydrophobia; Veterinary medicine; *also* names of varieties of dogs

— Stories

**Dolls**

Dolmens *see* Cromlechs

Domain, Eminent, *see* Eminent domain

**Domes**

*See also* Architecture; Roofs

*Refer from* Chemistry; Chemistry, Physical; Electrochemistry; Electrolysis; Ions; Matter

*Refer from* Geography

*Refer from* Alcohol; Boiling points; Brandy; Chemistry, Technical; Coal-tar products; Evaporation; Liquors

*Refer from* Augury (s); Fortune telling; Occult sciences; Omens; Prophecies; Superstition

*Refer from* Government; Kings and rulers; Monarchy

*Refer from* Baths and bathing; Swimming

*Refer from* Diving

*Refer from* Divination; Folklore; Water, Underground

*Refer from* Church law; Domestic relations; Ethics; Family; Law; Marriage; Social problems; Sociology; Women — Law

*Refer from* Civil engineering; Dry docks (s); Engineering; Harbors; Hydraulic engineering; Wharves

*Refer from* Genoa; Kings and rulers; Venice

*Refer from* Carnivora; Dog (s); Domestic animals; Hunting; Hydrophobia; Pets; Veterinary medicine

*Refer from* Animals — Stories; Dog stories (s)

*Refer from* Toys

*Refer from* Architecture; Roofs; Vaulting

for the 1954-55 season.

**Domesday book**

*Refer from* Domesday book (s); England — History — Normans; Land tenure — England; Taxation — England

**Domestic animals**

*See also* Animals — Treatment; Barns and stables; Breeding; Cage birds; Cats; Cattle; Cows; Dogs; Domestication; Goats; Horse; Live stock; Pets; Pigeons; Poultry; Sheep; Swine; Veterinary medicine; Zoology

*Refer from* Agriculture; Animal industry (s); Animals; Animals — Diseases; Animals, Domestic (s); Animals, Useful and harmful (s); Beasts (s); Breeding; Cats; Dogs; Domestication; Farm animals (s); Horse; Live stock; Pets; Quadrupeds; Veterinary medicine; Zoology; Zoology, Economic

Domestic animals — Diseases, *see* Veterinary medicine; *also* names of animals and of diseases

Domestic architecture *see* Architecture, Domestic

**Domestic arts**

*See also* Arts and crafts, and references under that subject; Basketwork; Canning and preserving; Cookery; Dressmaking; Embroidery; Fancy work; Handicraft; Home economics; Lace; Millinery; Needlework; Rugs; Weaving

*Refer from* Arts and crafts; Handicraft; Home economics; Household arts (s); Industrial arts

Domestic economy *see* Home economics

Domestic education *see* Home economics — Study and teaching; Home education

Domestic hygiene *see* Sanitation, Household

**Domestic relations**

*See also* Divorce; Family; Guardians; Husbands; Marriage; Master and servant; Parents; Wives

*Refer from* Family; Guardians; Husband and wife (s); Husbands; Law; Marriage; Master and servant; Parents; Wives

Domestic science *see* Home economics

Domestic service *see* Servants

**Domestication**

*See also* Animals — Training; Domestic animals; Plants, Cultivated

*Refer from* Animals — Training; Domestic animals; Zoology

Domestics *see* Servants

**Dominicans**

*See also* Monasticism

*Refer from* Friars preachers (s); Monasticism; Preaching friars (s)

Dominion of the sea *see* Maritime law; Sea power

**Dominoes**

**Donatists**

*See also* Church history — Early church

Doomsday book *see* Domesday book

**Doors**

*See also* Architecture; Gates; Grilles; Lattice

*Refer from* Architecture; Building; Carpentry

**Dorr rebellion, 1842**

*See also* Rhode Island — History

*Refer from* Rhode Island — History

Double consciousness *see* Personality

Double personality *see* Personality

Double stars *see* Stars

Doubt *see* Belief; Faith; Skepticism

Doukhobors *see* Dukhobors

Douma *see* Russia — Duma

Doves *see* Pigeons

Draft, Mechanical, *see* Mechanical draft

**Draft riot, 1863**

*Refer from* Conscription; New York (city) — History; New York (city) — Riots; Riots; U. S. — History — Civil war

Drafting, Mechanical, *see* Mechanical drawing

Drafting, Military, *see* Conscription



**Drafting room practice**

*See also* Card system in business; Machine design; Mechanical drawing

**Drago doctrine****Dragons**

*See also* Animal lore; Animals, Mythical

**Drainage** [for land drainage only]

*See also* Agricultural physics; Irrigation; Marshes; Reclamation of land; Sewerage

**Drama**

*See also* Acting; Actors; Amateur theatricals; Charades; Christmas plays; College plays; Comedy; Dialogues; Dramatists; Literature; Monologues; Masques (plays); Miracle, morality and mystery plays; Opera; Pageants; Pantomime; Passion plays; Plots (drama, novel, etc.); Prologues; Puppet plays; Tableaux; Theater; Tragedy; *also* American drama, English drama, etc.

Dramatic art *see* Acting

Dramatic education *see* Acting — Study and teaching

Dramatic expression *see* Acting; Delsarte system; Elocution; Expression

Dramatic music *see* Opera; Operettas

Dramatic plots *see* Plots (drama, novel, etc.)

**Dramatists**

*See also* Authors; Poets

**Drapery**

*See also* Tapestry; Upholstery

Draught, Mechanical, *see* Mechanical draft

Draughting, Mechanical, *see* Mechanical drawing

Draughting room practice *see* Drafting room practice

Draughts *see* Checkers

**Dravidian languages**

*See also* Oriental languages; Tamil language and literature

Draw-poker *see* Poker

**Drawbacks****Drawbridges**

*See also* Bridges

**Drawing**

*See also* Anatomy, Artistic; Animal painting and illustration; Architectural drawing; Caricature and cartoons; Chalk talks; Charcoal drawing; Crayon drawing; Decoration and ornament; Design, Decorative; Drawings; Figure drawing; Flower painting and drawing; Geometrical drawing; Graphics; Illustration of books; Map drawing; Mechanical drawing; Painting; Pastel; Pen drawing; Perspective; Posters; Projection; Proportion (art); Shades and shadows; Silhouettes; Topographical drawing

**Drawing instruments**

*See also* Mechanical drawing

*Refer from* Draughting room practice (s); Drawing room practice (s); Machine design; Machine shop practice; Mechanical drawing

*Refer from* Debts, Public; International law; Monroe doctrine

*Refer from* Animal lore; Animals, Mythical; Monsters

*Refer from* Agricultural physics; Agriculture; Civil engineering; Engineering; Hydraulic engineering; Irrigation; Land drainage (s); Marshes; Reclamation of land; Soil moisture; Soils

*Refer from* Acting; Comedy; Literature; Miracle, morality and mystery plays; Play writing (s); Plays (s); Poetry; Prologues; Rhetoric; Stage (s); Theater; Tragedy

*Refer from* Authors; Drama; Playwrights (s); Poets

*Refer from* House decoration; Tapestry; Upholstery

*Refer from* Language; Oriental languages; Tamil language and literature

*Refer from* Rebates (of duties) (s); Tariff

*Refer from* Bridges

*Refer from* Art; Design, Decorative; Free-hand drawing (s); Graphic arts (s); Illustration of books; Manual training; Painting; Perspective; Sculpture; Sketching (s)

*Refer from* Instruments; Mathematical instruments; Mechanical drawing





Drawing-room plays *see* Amateur theatricals  
Drawing room practice *see* Drafting room practice

**Drawings**

*See also* Engravings; Etchings

**Drawn work**

*See also* Fancy work

**Dreams**

*See also* Apparitions; Fortune telling; Nightmare; Psychology; Sleep; Somnambulism

**Dredging**

*See also* Civil engineering; Excavating machinery; Gold dredging; Marine biology; Marine zoology; Ocean

Dress *see* Clothing; Costume; Dress reform; Dressmaking

**Dress reform**

**Dressmaking**

*See also* Garment cutting; Needlework; Tailoring

**Drift**

*See also* Boulders; Geology; Glacial period; Glaciers; Moraines

**Drill (military)**

*See also* Artillery drill and tactics; Cavalry drill and tactics; Infantry drill and tactics; Military art and science; Tactics

Drilling (earth and rock) *see* Boring

**Drilling (perforating)**

*See also* Machine shop practice

**Drills and marches**

Drink question *see* Liquor problem

**Drinking customs**

*See also* Dinners and dining; Eating; Temperance; Toasts

**Drinking songs**

*See also* College songs

Drinks *see* Beverages; Liquors

**Driving**

*See also* Checkreins; Coaches and coaching; Horse; Horsemanship

Drop forging *see* Forging

**Droughts**

*See also* Rain

**Drowning**

*See also* Accidents; First aid in illness and injury; Life-saving; Suspended animation; Swimming

Drug habit *see* Narcotic habit

Druggists *see* Pharmacists

**Drugs**

*See also* Adulterations; Dispensatories; Materia medica; Medical botany; Medicines,

*Refer from* Drawing; Pictures

*Refer from* Fancy work; Needlework

*Refer from* Brain; Divination; Fortune telling; Mind and body; Night; Nightmare; Psychology; Sleep; Somnambulism; Superstition; Visions (s)

*Refer from* Civil engineering; Engineering; Excavating machinery; Harbors; Hydraulic engineering; Marine biology; Marine zoology; Ocean

*Refer from* Clothing; Costume; Dress (s); Hygiene

*Refer from* Clothing; Costume; Cutting (s); Domestic arts; Dress (s); Fashion; Garment cutting; Home economics; Needlework; Tailoring; Women — Occupations

*Refer from* Boulders; Geology; Glacial drift (s); Glacial period; Glaciers; Moraines

*Refer from* Military art and science; Tactics

*Refer from* Boring (metal working, etc.) (s); Machine shop practice; Machine tools

*Refer from* Amusements; Broom drill (s); Entertainments; Fan drill (s); Gymnastics; Marches (exercise) (s); Tambourine drill (s)

*Refer from* Beverages; Dinners and dining; Eating; Healths, Drinking of (s); Manners and customs; Temperance

*Refer from* Songs

*Refer from* Coaches and coaching; Horse; Horsemanship; Locomotion; Riding (s); Sports

*Refer from* Meteorology; Physical geography; Rain; Water supply; Weather

*Refer from* Accidents; First aid in illness and injury; Life-saving; Suspended animation

*Refer from* Adulterations; Materia medica; Medicines (s); Pharmacognosy (s); Pharma-



- Proprietary; Pharmacopoeias; Pharmacy; Poisons; *also* special drugs and groups of drugs, e.g. Anesthetics, Antitoxins, Narcotics, Stimulants
- Druids**  
*See also* Britons; Celts; Mythology, Celtic
- Drummers *see* Commercial travelers
- Drunkennes *see* Alcoholism; Inebriate asylums; Liquor problem; Temperance
- Druses**  
Dry docks *see* Docks
- ✓ **Dry farming**  
*See also* Desert vegetation; Tillage
- Dry goods**  
*See also* Clothing; Hosiery; Textile industry and fabrics
- Dry rot**  
*See also* Wood — Preservation
- Drying**
- Dual personality *see* Personality
- Dualism**  
*See also* Manicheism; Mind and body; Monism; Neoplatonism; Platonists; Soul; Zoroastrianism
- Ducks**  
*See also* Game birds; Poultry; Water birds
- Dueling**  
*See also* Fencing; Honor; Wager of battle
- Duets, Instrumental**
- Duets, Vocal**
- Dukhobors**  
*See also* Russia — Religious history
- Duma *see* Russia — Duma
- Dumb *see* Deaf and dumb
- Dumb-bells**  
*See also* Gymnastics
- Dunes**  
*See also* Physical geography
- Dungeons *see* Prisons
- Dunkards *see* German Baptist brethren
- Dunkers *see* German Baptist brethren
- Dust**  
*See also* Bacteriology; House cleaning
- Dutch in the U. S.**
- Dutch language**  
*See also* Germanic languages
- Dutch literature**  
*See also* Dutch poetry
- Dutch poetry**  
*See also* Dutch literature
- Dutch reformed church *see* Reformed church in America
- cology (s); Pharmacopoeias; Pharmacy; Poisons; Therapeutics
- Refer from* Britons; Celts; England — Antiquities; Mythology, Celtic; Religions
- Refer from* Religions
- Refer from* Agriculture; Arid farming (s); Desert vegetation; Farming, Dry (s); Irrigation; Tillage
- Refer from* Textile industry and fabrics
- Refer from* Fungi; Plants — Diseases; Timber; Wood — Preservation
- Refer from* Bleaching; Chemical engineering; Cleaning; Dyes and dyeing; Evaporation
- Refer from* Evil; Mind and body; Philosophy; Zoroastrianism
- Refer from* Game birds; Poultry; Water birds
- Refer from* Ethics; Fencing; Fighting (s); Honor; Manners and customs; Wager of battle
- Refer from* Instrumental music; Music — Scores; Piano music — Scores
- Refer from* Music — Scores; Songs
- Refer from* Doukhobors (s); Russia — Religious history; Sects
- Refer from* Gymnastics
- Refer from* Beaches; Physical geography; Seashore; Sand dunes (s)
- Refer from* Air pollution; Bacteriology; House cleaning; Hygiene; Occupations — Diseases and hygiene; Roads
- Refer from* U. S. — Foreign population
- Refer from* Germanic languages; Low German language
- Refer from* Dutch poetry
- Refer from* Dutch literature



Duties *see* Tariff

**Duty**

*See also* Conduct of life; Conscience; Ethics

**Dwarfs**

Dwellings *see* Architecture, Domestic; Housing problem

**Dyaks**

*See also* Borneo; Head-hunters

Dyeing *see* Dyes and dyeing

**Dyes and dyeing**

*See also* Bleaching; Calico printing; Chemistry, Technical; Cleaning; Coal-tar colors; Color; Drying; Indigo; Khaki

Dyestuffs *see* Dyes and dyeing

Dying words *see* Last words of famous people

Dykes *see* Dikes (geology); Embankments

**Dynamics**

*See also* Aerodynamics; Dynamometer; Electrodynamics; Force and energy; Hydrodynamics; Kinematics; Matter; Mechanics; Motion; Physics; Rotation; Statics; Thermodynamics

**Dynamite**

*See also* Explosives

Dynamo-electric machines *see* Dynamos; Electric motors

**Dynamometer**

**Dynamos**

*See also* Armatures; Commutators; Electric motors; Switchboards

**Dyspepsia**

*See also* Digestion

**Eagles**

*See also* Birds

**Ear**

*See also* Deaf and dumb; Deafness; Hearing; Sound

Early church *see* Church history — Early church

Early English language *see* English language — Middle English

Early English literature *see* English literature — History and criticism — Middle English

**Earth**

*See also* Antarctic regions; Arctic regions; Astronomy; Climate; Creation; Deluge; Earthquakes; Geochemistry; Geodesy; Geography; Geology; Glacial period; Globes; Latitude and longitude; Magnetism, Terrestrial; Meteorology; Mines and mineral resources; North pole; Nutation; Ocean; Physical geography; Seasons; South pole; Tropics; Volcanoes

*Refer from* Conduct of life; Ethics

*Refer from* Man; Monsters; Pigmies (s); Pygmies (s)

*Refer from* Borneo; Dayaks (s); Head-hunters; Kayans (s)

*Refer from* Bleaching; Calico printing; Chemistry, Technical; Cleaning; Coal-tar colors; Color; Cotton; Dyeing (s); Dyestuffs (s); Industrial arts; Pigments (s); Scouring (s); Textile industry and fabrics; Wool

*Refer from* Force and energy; Kinematics; Kinetics (s); Matter; Mechanics; Motion; Physics; Rotation; Statics

*Refer from* Explosives

*Refer from* Dynamics; Electric testing; Force and energy; Power; Prony brake (s)

*Refer from* Armatures; Commutators; Dynamo-electric machines (s); Electric apparatus and appliances; Electric engineering; Electric generators (s); Electric machinery; Electric motors; Electricity; Generators, Electric (s); Machine shop practice; Motors

*Refer from* Diet; Digestion; Indigestion (s); Medicine — Practice

*Refer from* Birds

*Refer from* Anatomy; Deafness; Head; Hearing; Otology (s); Sound

*Refer from* Astronomy; Creation; Geography; Geology; Nature; Physical geography; Planets; Universe; World (s)



**Earth**—Continued

—Age

*See also* Creation; Geology

—Figure

*See also* Geodesy

—Rotation

—Temperature

Earth worms *see* Earthworms

Earthenware *see* Pottery

**Earthquakes**

*See also* Geology; Physical geography; Volcanoes

Earths, Rare, *see* Rare earths

**Earthwork**

*See also* Civil engineering; Dams; Embankments; Excavation; Fortification; Foundations; Tunnels; Walls

**Earthworks (archaeology)**

*See also* Archaeology; Mounds and mound builders

**Earthworms**

**Easements**

*See also* Eminent domain; Real estate

**East**

*See also* Asia; Levant

**Easter**

*See also* Carols; Jesus Christ — Resurrection and ascension; Lent

**Eastern churches**

*See also* Coptic church; Greek church; Nestorians

Eastern empire *see* Byzantine empire

**Eastern question (Central Asia)**

*See also* Asia, Central; British in Asia (Central); Russians in Asia (Central); Tibet; Turkestan

**Eastern question (Far East)**

*See also* Boxers; China; Chinese-Japanese war, 1894-1895; Japan; Korea; Manchuria; Russo-Japanese war, 1904-1905

**Eastern question (Near East)**

*See also* Balance of power; Balkan peninsula; Crimean war; Panislamism; Panславism; Russia — Foreign relations; Russo-Turkish war, 1877-1878; Turkey — Foreign relations

**Eating**

*See also* Breakfasts; Cookery; Diet; Dinners and dining; Drinking customs; Food; Luncheons; Menus; Table

**Eccentricity**

Ecclesiastical antiquities *see* Christian antiquities

Ecclesiastical architecture *see* Church architecture

Ecclesiastical art *see* Christian art and symbolism

*Refer from* Geology

*Refer from* Figure of the earth (s); Geodesy

*Refer from* Pendulum; Rotation; Rotation of the earth (s)

*Refer from* Heat; Temperature

*Refer from* Disasters; Earth; Geology; Physical geography; Seismology (s); Volcanoes

*Refer from* Civil engineering; Embankments; Engineering; Excavation; Fortification; Foundations; Railroads; Railroads — Construction

*Refer from* Archaeology; Excavations (s); Mounds and mound builders

*Refer from* Earth worms (s); Worms

*Refer from* Deeds; Eminent domain; Land; Law; Real estate; Trespass

*Refer from* Asia; Far East (s); Levant; Orient (s)

*Refer from* Christian year; Fasts and feasts; Holy week; Jesus Christ; Jesus Christ — Resurrection and ascension; Lent

*Refer from* Church history; Coptic church; Greek church; Nestorians

*Refer from* Asia, Central; British in Asia (Central); British in India; International relations; Russians in Asia (Central); Tibet; Turkestan

*Refer from* Boxers; China; Chinese question (s); Far-eastern question (s); International relations; Japan; Korea; Manchuria; Yellow peril (s)

*Refer from* Balance of power; Balkan peninsula; Balkan question (s); Europe — Politics; International relations; Russia — Foreign relations; Turkey — Foreign relations

*Refer from* Dinners and dining; Drinking customs; Food; Gastronomy (s); Manners and customs; Meals (s); Table

*Refer from* Conduct of life; Insanity; Psychology





Ecclesiastical biography *see* Christian biography  
 Ecclesiastical ceremonies *see* Rites and ceremonies  
 Ecclesiastical costume *see* Church vestments  
 Ecclesiastical fasts and feasts *see* Fasts and feasts  
 Ecclesiastical furniture *see* Church furniture  
 Ecclesiastical history *see* Church history  
 Ecclesiastical law *see* Church law  
 Ecclesiastical polity *see* Church polity  
 Ecclesiastical statistics *see* Church statistics  
 Ecclesiastical vestments *see* Church vestments

#### **Echinodermata**

*See also* Invertebrates

Eclectic medicine *see* Medicine, Eclectic

#### **Eclipses**

*See also* Astronomy; Astronomy, Spherical and practical; Moon; Occultations; Sun; Transits

Eclogues *see* Pastoral poetry

#### **Ecology**

*See also* Acclimatization; Acclimatization (plants); Adaptation (biology); Environment; Geographical distribution of animals and plants; Seeds — Dispersal

Economic botany *see* Botany, Economic

Economic conditions *see* names of countries, subhead Economic conditions

#### **Economic determinism**

*See also* Socialism

Economic entomology *see* Insects, Injurious and beneficial

Economic geography *see* Commercial geography

Economic geology *see* Geology, Economic

Economic zoology *see* Zoology, Economic

#### **Economics**

*See also* Apprentices; Balance of trade; Banks and banking; Business; Business depression; Capital; Charities; Combination, Industrial; Commerce; Communication; Communism; Competition; Consumption (economics); Cooperation; Corn laws; Cost; Cost of living; Credit; Debts, Public; Economic determinism; Efficiency, Industrial; Exchange; Factory system; Finance; Food supply; Gilds; Government ownership; Government regulation of industry; Home economics; Income; Individualism; Industry; Interest; Investments; Labor and capital; Labor and laboring classes; Labor unions; Land; Land tenure; Leisure class; Luxury; Manufactures; Money; Monopolies; Panics; Physiocrats; Poor; Population; Precious metals; Prices; Privileged classes; Profit; Profit sharing; Property; Prosperity; Rent; Salaries; Socialism; Speculation; Standard of living; Statistics; Stock exchange; Stocks; Strikes and lock-outs; Sumptuary laws; Supply and demand; Tariff; Tariff question; Taxation;

*Refer from* Invertebrates; Marine zoology

*Refer from* Astronomy; Astronomy, Spherical and practical; Lunar eclipses (s); Moon; Solar eclipses (s); Sun

*Refer from* Acclimatization; Acclimatization (plants); Adaptation (biology); Biology; Economics (s); Botany — Ecology (s); Environment; Geographical distribution of animals and plants; Natural history; Ecology (s); Zoology

*Refer from* Determinism, Economic (s); Economics; Historic materialism (s); History — Philosophy; Progress; Socialism

*Refer from* Banks and banking; Business; Capital; Commerce; Consumption (economics); Distribution of wealth (s); Exchange; Finance; Government; Individualism; Industry; Labor and laboring classes; Political economy (s); Prices; Production (s); Profit; Rent; Science; Social science (s); Socialism; Sociology; Supply and demand; Tariff; Tariff question; Taxation; Wages; Wealth



Thrift; Transportation; Trusts; Unearned increment; Unemployed; Value; Wages; Wealth; *also* names of countries, subhead Economic conditions

Economy *see* Thrift

### **Ecstasy**

Ecumenical councils *see* Councils and synods  
*also* names of special councils

### **Eddas**

*See also* Icelandic literature; Sagas

### **Eden**

*See also* Bible — Old Testament — Genesis; Fall of man

### **Editorials**

*See also* Journalism

### **Education**

*See also* Auxiliary schools; Bible in the schools; Blind — Asylums and education; Books and reading; Business education; Charity schools; Child study; Children; Church and education; Civilization; Classical education; Coeducation; College education, Value of; Colleges and universities; Compulsory education; Correspondence schools and courses; Country schools; Culture; Curriculum; Deaf and dumb — Asylums and education; Education and citizenship; Education and crime; Education and state; Education of women; Educational associations; Educators; Evening and continuation schools; Examinations; Farm schools; Grammar schools; High schools; Home education; Illiteracy; Indians — Education; Industrial education; Kindergarten; Knowledge; Lectures and lecturing; Libraries; Libraries and schools; Lyceums; Manual training; Mechanics' institutes; Memory; Mental discipline; Military education; Moral education; Nature study; Naval education; Negroes — Education; Normal schools; Object teaching; Open-air schools; Overpressure (education); Physical education; Private schools; Professional education; Psychology; Psychology, Educational; Public schools; Public schools and religion; Ragged schools; Reformatories; Religious education; Research; Scholars; Scholarships; Schools; Self-culture; Self-government (in education); Seminary method; Students; Study; Summer schools; Sunday schools; Teachers; Teaching; Technical education; Textbooks; Theological schools; Trade schools; University extension; Vacation schools; Vocational education; *also* headings beginning School, and subhead Study and teaching under special subjects, e.g. Art — Study and teaching

—Classical, *see* Classical education

—Compulsory, *see* Compulsory education

### **Elementary**

*See also* Busy work; Children, Abnormal and backward; Country schools;

*Refer from* Psychology; Religion

*Refer from* Icelandic literature; Mythology, Norse; Sacred books; Sagas; Scandinavian literature

*Refer from* Bible — Old Testament — Genesis; Fall of man; Garden of Eden (s); Paradise (s)

*Refer from* Journalism; Literature; Newspapers; Rhetoric

*Refer from* Boys; Civilization; Colleges and universities; Culture; Girls; Instruction (s); Knowledge; Learning (s); Mental discipline; Psychology; Public schools; Scholarship (s); Schools; Self-culture; Social problems; Sociology; Students; Study; Teachers; Teaching; Training

*Refer from* — Education

*Refer from* — Education

*Refer from* Children; Children — Education (s); Education, Primary (s); Education



**Education** — Continued

- Grammar schools; Home education; Industrial education; Kindergarten; Object teaching; Private schools
- Higher, *see* Classical education; College education, Value of; Colleges and universities; Professional education; Technical education
- Industrial, *see* Industrial education
- Medical, *see* Medicine — Study and teaching
- Military, *see* Military education
- Moral, *see* Moral education
- Musical, *see* Music — Instruction and study
- Naval, *see* Naval education
- Primary, *see* Education, Elementary
- Professional, *see* Professional education
- Religious, *see* Religious education
- Scientific, *see* Science — Study and teaching
- **Secondary**
  - See also* Academies (schools); Evening and continuation schools; High schools; Private schools
  - Technical, *see* Technical education
- **U. S.**
  - See also* Colleges and universities — U. S.; Public schools — U. S.; U. S. — Intellectual life

Education and church *see* Church and education

**Education and citizenship**

*See also* Education and crime; Illiteracy; School city

**Education and crime**

*See also* Illiteracy

**Education and state**

*See also* Public schools; Research; Scholarships

Education of children *see* Education, Elementary; Home education; Kindergarten

**Education of women**

*See also* Coeducation

**Educational associations**

Educational laws *see* School laws

Educational psychology *see* Psychology, Educational

Educational societies *see* Educational associations

**Educators**

*See also* Teachers

7 **Efficiency, Industrial**

*See also* Ability; Age limit of employment; Executive ability; Scientific management

**Eggs**

*See also* Birds' eggs; Cold storage; Cookery — Eggs; Embryology; Poultry

of children (s); Elementary education (s); Grammar schools; Primary education (s); Primary schools (s)

*Refer from* Academies (schools); High schools; Preparatory schools (s); Secondary education (s); Secondary schools (s)

*Refer from* Colleges and universities — U. S.; Public schools — U. S.; U. S. — Education (s); U. S. — Intellectual life; U. S. — Schools (s)

*Refer from* Citizenship; Education; Illiteracy

*Refer from* Crime and criminals; Education; Education and citizenship; Illiteracy

*Refer from* Education; Government; Public schools; State and education (s)

*Refer from* Coeducation; Colleges and universities; Education; Girls; Women; Women — Education (s)

*Refer from* Education; Educational societies (s); Societies; Teachers

*Refer from* Biography; Education; Teachers

*Refer from* Ability; Economics; Executive ability; Industrial efficiency (s); Industry; Labor and laboring classes; Scientific management

*Refer from* Animal products; Food; Poultry



**Egoism**

*See also* Altruism; Avarice; Selfishness

**Egypt — Antiquities**

*See also* Mummies; Obelisks; Pyramids

**—History****—Ancient****—Modern****Egyptian language**

*See also* African languages; Coptic language; Hamitic languages; Hieroglyphics

Egyptology *see* Egypt — Antiquities

Eight-hour day *see* Hours of labor

**Eighteenth century**

*See also* English literature — History and criticism — Eighteenth century; History, Modern

**Elasticity**

*See also* Strains and stresses; Strength of materials

Election (in theology) *see* Predestination

**Election laws**

*See also* Nominations; Suffrage

**Elections**

*See also* Australian ballot; Ballot; Bribery; Campaign funds; Caucus; Citizenship; Election laws; Gerrymander; Nominations; Political corruption; Primaries; Proportional representation; Recall; Representative government and representation; Suffrage; Voting machines

**—U. S.**

*See also* Campaign funds; Gerrymander; Nominations; Political conventions; Presidents — U. S. — Election; Primaries; Senators — U. S. — Election

Elective franchise *see* Suffrage

**Electric apparatus and appliances**

*See also* Armatures; Coherers; Condensers (electricity); Dynamos; Electric batteries; Electric bells; Electric furnaces; Electric gas lighting; Electric lamps; Electric machinery; Electric meters; Electric motors; Electric toys; Electric transformers; Electricity in mining; Electricity in the home; Electricity on the farm; Electromagnets; Fans, Electric; Fire alarms; Galvanometer; Induction coils; Rheostats; Switchboards

**Electric arc**

*See also* Electric lamps

Electric armatures *see* Armatures

**Electric batteries**

*See also* Storage batteries

**Electric bells**

*Refer from* Altruism; Avarice; Conduct of life; Ethics; Hedonism; Philosophy; Selfishness

*Refer from* Egyptology (s); Mummies; Obelisks; Pyramids

*Refer from* African languages; Hamitic languages; Hieroglyphics

*Refer from* Europe — History — 1492-1789; History, Modern

*Refer from* Compressibility; Matter; Mechanics; Physics; Statics; Strains and stresses; Strength of materials

*Refer from* Elections; Law; Nominations; Registration laws (s); Suffrage

*Refer from* Ballot; Caucus; Corrupt practices at elections (s); Government; Nominations; Politics; Primaries; Representative government and representation; Suffrage; Voting (s)

*Refer from* Campaigns, Presidential (s); Presidential campaigns (s); Presidential elections (s); Presidents — U. S. — Election; U. S. — Elections (s); U. S. — Government; U. S. — Politics

*Refer from* Electric engineering; Electric machinery; Instruments

*Refer from* Arc, Electric (s); Arc light (s); Electric lighting; Voltaic arc (s)

*Refer from* Batteries (electric) (s); Cell, Voltaic (s); Electric apparatus and appliances; Electric cells (s); Electrochemistry; Galvanic batteries (s); Primary batteries (s); Storage batteries; Voltaic cell (s)

*Refer from* Bells; Electric apparatus and appliances; Electricity in the home





Electric boats *see* Motor boats

**Electric cables**

*See also* Cables, Submarine; Electric wire and wiring; Electricity—Distribution; Insulation

Electric carriages *see* Automobiles

Electric cells *see* Electric batteries

Electric condensers *see* Condensers (electricity)

**Electric conductivity**

*See also* Electric conductors; Electric measurement; Electric resistance

**Electric conductors**

*See also* Electric cables; Electric power transmission; Electric wire and wiring; Electricity—Distribution; Lightning conductors

**Electric controllers**

*See also* Electric motors; Rheostats

**Electric current converters**

*See also* Electric transformers

**Electric currents**

*See also* Electric conductivity; Electric conductors; Electric measurement; Electric meters; Electric power transmission; Electric testing; Electric transformers; Electricity—Distribution; Electrodynamics

**—Alternating**

*See also* Electric power transmission; Electric waves; Electricity—Distribution

**Electric discharges through gases**

*See also* Cathode rays; Ionization of gases; Radioactivity; X rays

Electric distribution *see* Electricity—Distribution

**Electric driving**

*See also* Electric motors; Electric power; Electric power transmission; Electricity—Distribution

**Electric engineering**

*See also* Armatures; Dynamos; Electric apparatus and appliances; Electric heating; Electric lighting; Electric machinery; Electric meters; Electric motors; Electric power transmission; Electric railroads; Electricians; Electricity; Electricity—Distribution; Electricity in mining; Hydroelectric plants; Power plants, Electric; Telautograph; Telegraph; Telephone; Wireless telegraphy

Electric fans *see* Fans, Electric

**Electric furnaces**

*See also* Electric heating; Electrometallurgy

**Electric gas lighting**

Electric generators *see* Dynamos

**Electric heating**

*See also* Electric furnaces

*Refer from* Cables; Electric conductors; Electric wire and wiring; Electricity—Distribution; Insulation

*Refer from* Conductivity, Electric (s); Electric currents; Electric resistance

*Refer from* Conductors, Electric (s); Electric conductivity; Electric currents; Electric power transmission; Electric wire and wiring; Electricity—Distribution; Wiring, Electric (s)

*Refer from* Controllers, Electric (s); Electric machinery; Electric motors; Rheostats

*Refer from* Converters, Electric (s); Electric machinery; Electric transformers

*Refer from* Currents (s); Electric potential (s); Electric transformers; Electricity—Distribution; Electrodynamics

*Refer from* Alternating currents (s); Currents, Alternating (s); Electric waves; Induction coils; Polyphase currents (s)

*Refer from* Cathode rays; Electrons; Gases; Ionization of gases; Ions; X rays

*Refer from* Electric machinery; Electric motors; Electric power; Electric power transmission; Electricity—Distribution; Machine tools

*Refer from* Electric machinery; Engineering; Engineering, Electrical (s); Industrial arts; Machinery; Mechanical engineering

*Refer from* Electric apparatus and appliances; Electric heating; Electric smelting (s); Electrochemistry; Electrometallurgy; Furnaces

*Refer from* Electric apparatus and appliances; Electric ignition of gas (s); Electric lighting; Gas lighting

*Refer from* Electric engineering; Electric furnaces; Electricity in the home; Heating



Electric ignition of gas *see* Electric gas lighting

Electric insulation *see* Insulation

**Electric lamps**

*See also* Electric lighting

Electric launches *see* Motor boats

Electric light *see* Electric lighting

**Electric light carbons**

**Electric lighting**

*See also* Electric arc; Electric gas lighting; Electric lamps; Electric light carbons; Electric meters; Electric wire and wiring; Electricity — Distribution; Photometry; Searchlights; Switchboards

**Electric locomotives**

*See also* Railroads — Electrification

**Electric machinery**

*See also* Commutators; Dynamos; Electric apparatus and appliances; Electric controllers; Electric current converters; Electric driving; Electric engineering; Electric motors; Electric transformers; Electricity in mining; Electricity on the farm

**—Alternating current**

**Electric measurement**

*See also* Electric meters; Electric resistance; Electric testing; Galvanometer; Inductance

**Electric meters**

*See also* Electric measurement; Electric testing; Wattmeter

Electric mining *see* Electricity in mining

**Electric motors**

*See also* Armatures; Commutators; Dynamos; Electric controllers; Electric driving; Electric locomotives; Electric machinery; Electric power; Electric transformers

Electric plants *see* Power plants, Electric

Electric potential *see* Electric currents; Electromotive force; Electrostatics; Potential, Theory of

**Electric power**

*See also* Electric driving; Electric motors; Electric power transmission; Electricity — Distribution; Power plants, Electric

Electric power distribution *see* Electric power transmission; Electricity — Distribution

Electric power plants *see* Power plants, Electric

**Electric power transmission**

*See also* Electric conductors; Electric driving; Electric power; Electricity — Distribution; Hydro-electric plants; Power plants, Electric; Power transmission

*Refer from* Arc lamps (s); Electric apparatus and appliances; Electric arc; Electric lighting; Incandescent lamps (s); Lamps

*Refer from* Carbon; Carbons (electric light) (s); Electric lighting

*Refer from* Arc light (s); Electric engineering; Electric lamps; Electric light (s); Incandescent lighting (s); Lighting

*Refer from* Electric motors; Electric railroads; Locomotives; Railroads — Electrification

*Refer from* Continuous current machinery (s); Electric apparatus and appliances; Electric engineering; Electric motors; Machinery

*Refer from* Alternating current machinery (s)

*Refer from* Electric conductivity; Electric currents; Electric meters; Electric resistance; Electric testing; Galvanometer; Units; Weights and measures

*Refer from* Electric apparatus and appliances; Electric currents; Electric engineering; Electric lighting; Electric measurement; Electric testing; Meters (s)

*Refer from* Commutators; Dynamo-electric machines (s); Dynamos; Electric apparatus and appliances; Electric controllers; Electric driving; Electric engineering; Electric machinery; Electric power; Electric railroads; Electromotors (s); Induction motors (s); Motors

*Refer from* Electric driving; Electric motors; Electric power transmission; Electricity — Distribution; Power; Power plants, Electric

*Refer from* Electric conductors; Electric currents; Electric currents, Alternating; Electric driving; Electric engineering; Electric power; Electric power distribution (s); Electric transmission of power (s); Electricity — Distribution; Hydro-electric plants; Power plants, Electric; Power transmission; Transmission of power (s)



**Electric railroads**

*See also* Electric locomotives; Electric motors; Railroads — Electrification; Railroads — Single rail; Rapid transit; Street railroads; Suspended railways

*Refer from* Electric engineering; Electric street railroads (s); Electric tramways (s); Interurban railroads (s); Railroads; Railroads, Electric (s); Railroads — Electrification; Rapid transit; Street railroads; Transportation; Trolley lines (s)

**Electric resistance**

*See also* Electric conductivity; Electric measurement; Electric testing; Insulation; Rheostats

*Refer from* Electric conductivity; Electric measurement; Electric testing; Insulation; Resistance, Electric (s); Rheostats

Electric rheostats *see* Rheostats

Electric smelting *see* Electric furnaces; Electrometallurgy

Electric stations *see* Power plants, Electric

Electric street railroads *see* Electric railroads

Electric switchboards *see* Switchboards

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**Electric testing**

*See also* Dynamometer; Electric measurement; Electric meters; Electric resistance

*Refer from* Electric currents; Electric measurement; Electric meters; Electric resistance; Testing (s)

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Electric transmission of power *see* Electric power transmission

Electric treatment *see* Electrotherapeutics

**Electric waves**

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*Refer from* Electric currents, Alternating; Hertzian waves (s); Interference (light); Waves; Wireless telegraphy

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**Electric wire and wiring**

*See also* Electric cables; Electric conductors; Electricity — Distribution; Insulation

*Refer from* Electric cables; Electric conductors; Electric lighting; Electric wiring (s); Electricity — Distribution; Insulation; Municipal improvement; Telegraph; Telephone; Wire; Wiring, Electric (s)

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Electrical *see* Electric

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*See also* Armatures; Atmospheric electricity; Dynamos; Electrons; Inductance; Induction coils; Insulation; Ionization of gases; Ions; Lightning; Magnetism; Microphone; Phonograph; Radioactivity; Telegraph; Telephone; Telpherage; Wireless telegraphy; X rays; *also* headings beginning Electric and Electro

*Refer from* Biography; Electric engineering; Scientists

—Animal, *see* Electrophysiology

—Atmospheric, *see* Atmospheric electricity

**—Distribution**

*See also* Electric cables; Electric conductors; Electric currents; Electric driving; Electric power; Electric power transmission; Electric transformers; Electric wire and wiring; Power plants, Electric; Switchboards

*Refer from* Distribution of electricity (s); Electric cables; Electric conductors; Electric currents; Electric currents, Alternating; Electric distribution (s); Electric driving; Electric engineering; Electric lighting; Electric power; Electric power distribution (s); Electric power



## Electricity — Continued

### —Experiments

—Medical, *see* Electrotherapeutics  
Electricity in agriculture *see* Electricity on the farm  
Electricity in horticulture *see* Electrohorticulture  
Electricity in medicine *see* Electrotherapeutics  
**Electricity in mining**  
*See also* Mining engineering; Mining machinery

### Electricity in the home

*See also* Electric bells; Electric heating

### Electricity on the farm

*See also* Electricity in the home; Electrohorticulture; Farm implements and machinery; Farm motors

Electricution *see* Electrocutation

Electrification of railroads *see* Railroads—  
Electrification

Electrobiology *see* Electrophysiology

### Electrochemistry

*See also* Chemistry, Physical; Dissociation; Electric batteries; Electric furnaces; Electrolysis; Electrolytes; Electrometallurgy; Electromotive force; Ions

Electroculture of plants *see* Electrohorticulture  
**Electrocutation**

Electrodeposition of metals *see* Electrometallurgy; Electroplating

### Electrodynamics

*See also* Electric currents; Inductance

Electrogalvanizing *see* Galvanizing

### Electrohorticulture

### Electrolysis

*See also* Chemistry, Physical; Corrosion and anti-corrosives; Dissociation; Electrochemistry; Electrolytes; Electrometallurgy; Ions

### Electrolytes

*See also* Electrochemistry; Electrolysis; Ions

### Electromagnets

*See also* Armatures; Commutators; Induction coils

### Electrometallurgy

*See also* Cyanide process; Electric furnaces; Electrochemistry; Electrolysis; Electroplating; Electrotyping; Magnetic separation of ores; Metallurgy

### Electromotive force

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*Refer from* Experiments (s); Physics — Experiments

*Refer from* Electric apparatus and appliances; Electric engineering; Electric machinery; Electric mining (s); Mining engineering; Mining machinery

*Refer from* Electric apparatus and appliances; Electricity on the farm; Home economics

*Refer from* Agriculture; Electric apparatus and appliances; Electric machinery; Electricity in agriculture (s); Farm implements and machinery; Farm motors

*Refer from* Chemistry; Chemistry, Physical; Chemistry, Technical; Dissociation; Electrolysis; Electrolytes; Electrometallurgy; Ions

*Refer from* Capital punishment; Electricution (s)

*Refer from* Dynamics; Electric currents

*Refer from* Electricity in horticulture (s); Electricity on the farm; Electroculture of plants (s); Floriculture; Gardening

*Refer from* Chemistry — Analysis; Chemistry; Physical; Dissociation; Electrochemistry; Electrolytes; Electrometallurgy; Ions; Solution (chemistry)

*Refer from* Dissociation; Electrochemistry; Electrolysis; Ions

*Refer from* Armatures; Electric apparatus and appliances; Hoisting machinery; Induction coils; Magnetism

*Refer from* Electric furnaces; Electric smelting (s); Electrochemistry; Electrodeposition of metals (s); Electrolysis; Electroplating; Electrotyping; Galvanoplasty (s); Metallurgy; Ore treatment; Smelting

*Refer from* Electric potential (s); Electrochemistry; Force and energy





**Electrons**

*See also* Cathode rays; Electric discharges through gases; Ions; Radioactivity

**Electrophysiology**

*See also* Muscles; Nerves; Nervous system

**Electroplating**

*See also* Electrometallurgy; Galvanizing

**Electrostatics**

*See also* Condensers (electricity); Electricity; Potential, Theory of

**Electrotherapeutics**

*See also* Radiotherapy

**Electrotyping**

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**Elegiac poetry**

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**Elements, Worship of**

*See also* Fire worship; Nature worship

**Elephants**

*See also* Ivory; Mammals; Mammoths

**Eleusinian mysteries**

*See also* Mythology, Classical

**Elevated railroads**

*See also* Rapid transit

Elevations *see* Altitudes

**Elevators**

*See also* Hoisting machinery

Elevators, Grain, *see* Grain elevators

**Elixir of life**

*See also* Alchemy; Philosopher's stone

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Elizabethan period; English literature —

History and criticism — Elizabethan period;

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land

Elizabethan literature *see* English literature —

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**Ellipse**

*See also* Conic sections

Elliptic functions *see* Functions

**Elocution**

*See also* Acting; Debating; Delsarte system; Eloquence; Expression; Gesture; Oratory; Preaching; Pronunciation; Reading; Recitations and readings; Rhetoric; Singing and voice culture; Ventriloquism; Voice

**Eloquence**

*See also* Elocution; Oratory

Elves *see* Fairies

*Refer from* Atoms; Cathode rays; Dissociation; Electricity; Ions; Magneto-optics; Matter; Radioactivity

*Refer from* Animal electricity (s); Biology; Electricity, Animal (s); Electrobiology (s); Nervous system; Physiology; Zoology

*Refer from* Electrodeposition of metals (s); Electrometallurgy; Galvanizing; Galvanoplasty (s); Gilding; Plating; Silver-plating (s); Silverplating (s)

*Refer from* Condensers (electricity); Electric potential (s); Physics; Static electricity (s); Statics

*Refer from* Electric treatment (s); Electricity, Medical (s); Electricity in medicine (s); Medical electricity (s); Therapeutics

*Refer from* Electrometallurgy; Galvanoplasty (s); Printing; Stereotyping

*Refer from* Poetry

*Refer from* Nature worship; Worship

*Refer from* Hunting; Mammals

*Refer from* Mysteries (religious); Mythology, Classical

*Refer from* Railroads; Railroads, Elevated (s); Rapid transit; Street railroads

*Refer from* High buildings; Hoisting machinery; Lifts (s)

*Refer from* Alchemy; Medicine, Medieval; Philosopher's stone

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*Refer from* Debating; Declamation (s); Dramatic expression (s); Eloquence; Expression; Gesture; Language; Oratory; Preaching; Reading; Rhetoric; Speaking (s); Speech; Voice

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**Emancipation** *see* Catholic emancipation; Slavery; Women — Social condition

**Embalming**

*See also* Mummies

**Embankments**

*See also* Civil engineering; Earthwork; Sea walls

**Embargo laws**

*See also* U. S. — History — 1783-1812

**Embezzlement**

*See also* Forgery

**Emblems**

*See also* Christian art and symbolism; Devices; Insignia; Mottoes; Symbolism

**Embossing**

**Embroidery**

*See also* Fancy work; Needlework

**Embryology**

*See also* Biology; Botany — Embryology; Cells; Parthenogenesis; Protoplasm; Reproduction

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**Employees' welfare** *see* Industrial betterment

**Employers' associations**

*See also* Blacklisting; Combination, Industrial; Trade agreements

**Employers' liability**

*See also* Accidents; Damages; Factory inspection; Factory laws; Insurance, Accident; Labor laws; Master and servant;

*Refer from* Burial; Death; Mortuary customs (s); Mummies

*Refer from* Canals; Civil engineering; Dams; Dikes (engineering) (s); Dykes (s); Earthwork; Engineering; Hydraulic engineering; Levees (s); Rivers; Sea walls

*Refer from* Commerce; International law; U. S.—Commerce; U. S.—History — 1783-1812

*Refer from* Crime and criminals; Defalcation (s); Forgery; Larceny; Stealing (s); Theft (s); Thieves

*Refer from* Christian art and symbolism; Devices; Heraldry; Literature; Symbolism

*Refer from* Printing

*Refer from* Arts and crafts; Decoration and ornament; Domestic arts; Fancy work; Needlework; Stitches (s); Textile industry and fabrics

*Refer from* Biology; Cells; Development (s); Eggs; Evolution; Morphology; Physiology; Protoplasm; Reproduction; Zoology

*Refer from* Appraising; Arbitration and award; Cemeteries; Condemnation of land (s); Constitutional law; Damages; Domain, Eminent (s); Easements; Expropriation (s); Land; Land tenure; Law; Police power; Property; Public service corporations; Railroads; Real estate; Roads

*Refer from* Church and healing (s); Faith cure; Medicine and religion; Mental healing; Mind and body; Suggestive therapeutics; Therapeutics

*Refer from* Anger; Enthusiasm; Envy; Ethics; Fear; Feelings (s); Hate; Jealousy; Joy; Passions (s); Pleasure; Psychology; Sympathy

*Refer from* Biography; Kings and rulers; Monarchy; Rulers (s); Sovereigns (s)

*Refer from* Philosophy

*Refer from* Blacklisting; Combination, Industrial; Gilds; Labor and capital; Labor unions

*Refer from* Accidents; Agency; Compensation (s); Damages; Factory inspection; Factory laws; Insurance, Accident; Insurance,

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Negligence; Occupations, Dangerous; Safety devices

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*See also* Labor exchanges

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**Enamel**

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Encyclopaedias *see* Encyclopedias

Encyclopaedists *see* Encyclopedists

**Encyclopedias**

*See also* Dictionaries. For encyclopedias of a special subject *see* the subject, e.g. Botany — Dictionaries

**Encyclopedists**

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*See also* Aeronautics; Aqueducts; Arches; Architecture; Blasting; Boring; Breakwaters; Bridges; Building; Building materials; Canals; Chemical engineering; Civil engineering; Curves in engineering; Docks; Drainage; Dredging; Earthwork; Electric engineering; Engineers; Engines; Foundations; Harbors; Hydraulic engineering; Industrial arts; Irrigation; Machinery; Marine engineering; Masonry; Mechanical drawing; Mechanical engineering; Mechanics; Mensuration; Military engineering; Mining engineering; Municipal engineering; Railroad engineering; Railroads — Construction; Reclamation of land; Rivers; Roads; Sanitary engineering; Sea walls; Statics; Steam engines; Strength of materials; Subways; Surveying; Tunnels; Walls; Water supply

— Chemical, *see* Chemical engineering

— Civil, *see* Civil engineering

— Electrical, *see* Electric engineering

— Hydraulic, *see* Hydraulic engineering

— Marine, *see* Marine engineering

— Mechanical, *see* Mechanical engineering; Mechanics, Applied

— Military, *see* Military engineering

— Mining, *see* Mining engineering

— Municipal, *see* Municipal engineering

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**Engineers**

**Engines**

*See also* Air engines; Blowing engines; Farm motors; Fire engines; Fuel; Gas and oil engines; Heat engines; Locomotives; Marine engines; Mechanical engineering; Motors; Pumps; Steam engines; Traction engines; Turbines

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Industrial; Labor and capital; Labor and laboring classes; Labor laws; Liability, Employers' (s); Master and servant; Negligence; Occupations, Dangerous; Safety devices; Workmen's compensation (s)

*Refer from* Agency; Intelligence offices (s); Labor and laboring classes; Labor exchanges; Servants; Unemployed; Wages

*Refer from* Arts and crafts; Cloisonné; Decoration and ornament

*Refer from* Cyclopedias (s); Dictionaries; Encyclopaedias (s); Reference books

*Refer from* Encyclopaedists (s); French literature; Materialism; Philosophy, French

*Refer from* Building; Civil engineering; Construction (s); Hydraulic engineering; Industrial arts; Machinery; Mathematics; Mechanical engineering; Mechanics; Military engineering; Surveying; Technology

*Refer from* Biography; Engineering

*Refer from* Engineering; Machine shop practice; Machinery; Mechanical engineering; Motors; Power



## **England — History**

### **—To 1066**

*See also* Anglo-Saxons; Britons

### **—Normans, 1066–1154**

*See also* Domesday book; Hastings, Battle of; Normans

### **—Plantagenets, 1154–1399**

*See also* Barons' war; Black death; England — History — Lancaster and York; Hundred years' war; Magna charta

### **—Lancaster and York, 1399–1485**

*See also* Agincourt, Battle of; Hundred years' war; Wars of the Roses

### **—Tudors, 1485–1603**

*See also* England — History — Elizabethan period

### **—Elizabethan period, 1558–1603**

*See also* Armada, 1588; England — History — Tudors; Shakespeare, William — Contemporary England

### **—Stuarts, 1603–1714**

*See also* England — History — Civil war and commonwealth; Gunpowder plot; Jacobites; King William's war; Nonjurors; Popish plot; Queen Anne's war; Regicides; Rye House plot; Spanish succession, War of

### **—Civil war and commonwealth, 1642–1660**

*See also* England — History — Stuarts; Regicides

### **—1714–1837**

*See also* French and Indian war; Jacobites; Napoleonic wars; Peninsular war, 1807–1814; Seven years' war; U. S. — History — Revolution

### **—Victorian period, 1837–1901**

*See also* Chartism; Crimean war; South African war, 1899–1902

### **—1901–**

*See also* South African war, 1899–1902

English ballads *see* Ballads, English

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English dialects *see* English language — Dialects

English dictionaries *see* Dictionaries, English

## **English drama**

*See also* American drama; Dramatists, English; English literature; Miracle, morality and mystery plays; Theater — England

## **English essays**

*See also* American essays; English literature

## **English fiction**

*See also* American fiction; English literature

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English idioms *see* Idioms, English

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*Refer from* Great Britain — History (s)

*Refer from* Anglo-Saxons; Britons

*Refer from* Hastings, Battle of; Norman conquest (s); Normans

*Refer from* Barons' war; Hundred years' war

*Refer from* Agincourt, Battle of; England — History — Plantagenets; Hundred years' war; Wars of the Roses

*Refer from* England — History — Elizabethan period

*Refer from* Armada, 1588; Elizabethan age (s); England — History — Tudors

*Refer from* England — History — Civil war and commonwealth; Gunpowder plot; Popish plot; Regicides; Rye House plot

*Refer from* Civil war (s); Commonwealth of England (s); England — History — Stuarts; Regicides

*Refer from* Jacobites

*Refer from* American drama; Drama; Dramatists, English; English literature; English poetry; Theater — England

*Refer from* American essays; English literature; Essays

*Refer from* American fiction; English literature; Fiction





## English language

- See also* Americanisms; Anglo-Saxon language; Briticisms; Composition (English); Dictionaries, English; Germanic languages; Grammar, English; Idioms, English; Pronunciation, English; Prosody, English; Slang; Spelling, English; Synonyms and antonyms, English
- Alphabet, *see* Alphabet
- Composition, *see* Composition (English)
- Conversation and phrase books, *see* English language — For foreigners
- Dialects
  - See also* Americanisms; Briticisms; Negro dialect
- Dictionaries, *see* Dictionaries, English
- Etymology
  - See also* English language — History
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- Grammar, *see* Grammar, English
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  - See also* English language — Etymology; English language — Middle English
- Idioms, *see* Idioms, English
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- Old English, *see* Anglo-Saxon language; English language — Middle English
- Orthography, *see* Spelling, English
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- Prosody, *see* Prosody, English
- Readers, *see* Readers
- Rhymes, *see* Rhyme
- Spelling, *see* Spelling, English
- Study and teaching
  - See also* English language — For foreigners
- Synonyms and antonyms, *see* Synonyms and antonyms, English
- Syntax, *see* Grammar, English
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## English literature

- See also* American literature; Anglo-Saxon literature; Authors, English; Ballads, English; Canadian literature; English drama; English essays; English fiction; English poetry; Humor, English; Irish literature (English); Letters, English; Newspapers — England; Orations, English; Parodies; Periodicals — England; Satire, English; Scottish literature; Sonnets, English

- Collections
  - See also* English poetry — Collections; Recitations and readings

- History and criticism
- Middle English

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- 17th century

- Refer from* Anglo-Saxon language; England — Language (s); Germanic languages; U. S. — Language (s)

- Refer from* Dialects; Dictionaries, English; England — Dialects (s); English dialects (s); U. S. — Dialects (s)

- Refer from* English language — History
- Refer from* English language — Conversation and phrase books (s); English language — Study and teaching; Foreigners (s)

- Refer from* English language — Etymology

- Refer from* Early English language (s); English language — History; English language — Old English (s); Middle English language (s); Old English language (s)

- Refer from* American literature; Anglo-Saxon literature; Authors, English; British literature (s); England — Literature (s); English drama; English essays; English fiction; English poetry; Humor, English; Irish literature (English); Literature; Satire, English; Scottish literature

- Refer from* English poetry — Collections; Recitations and readings

- Refer from* Early English literature (s); Middle ages — Literature; Middle English literature (s); Old English literature (s)

- Refer from* Elizabethan age (s); Elizabethan literature (s)

- Refer from* Seventeenth century



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——18th century

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**English metrical romances**

English newspapers *see* Newspapers — England

English orations *see* Orations, English

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*See also* American poetry; Anglo-Saxon poetry; Ballads, English; Canadian poetry; English drama; English literature; English metrical romances; Irish poetry; Lake poets; Poets, English; Prosody, English; Scottish poetry; Songs, English; Sonnets, English

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English satire *see* Satire, English

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English wit and humor *see* Humor, English

**Engravers**

*See also* Artists

**Engraving**

*See also* Bank notes; Color printing; Engravings; Etching; Gems; Glyptics; Illustration of books; Lithography; Photoengraving; Photogravure; Stipple engraving; Wood engraving

**Engravings**

*See also* Color prints; Etchings; Pictures

Enigmas *see* Riddles

**Enlightenment**

Enlistment *see* Recruiting and enlistment

**Ennui**

Ensigns *see* Flags

**Ensilage**

*See also* Feeding and feeding stuffs

**Entail**

*See also* Primogeniture

Enteric fever *see* Typhoid fever

**Entertaining**

*See also* Amusements; Balls (parties); Cards; Children's parties; Dinners and dining; Entertainments; Etiquet; Guests; Luncheons; Menus

**Entertainments**

*See also* Amateur theatricals; Amusements; Christmas entertainments; Church entertainments; Concerts; Drills and marches; Entertaining; Fairs; Festivals; Holidays; Jarley waxworks; Lectures and lecturing;

*Refer from* Eighteenth century

*Refer from* Nineteenth century; Victorian literature (s)

*Refer from* Twentieth century

*Refer from* English poetry; Romances

*Refer from* American poetry; Anglo-Saxon poetry; Ballads, English; British poetry (s); English literature; Lake poets; Poetry; Poets, English; Scottish poetry; Sonnets, English

*Refer from* English literature — Collections; Recitations and readings

*Refer from* Artists; Biography

*Refer from* Art; Chalcography (s); Etching; Graphic arts (s); Illustration of books; Industrial arts; Lithography; Mezzotint (s); Steel engraving (s); Stipple engraving

*Refer from* Drawings; Engraving; Etchings; Pictures; Prints (s)

*Refer from* Philosophy; Philosophy, Modern; Rationalism

*Refer from* Mind and body

*Refer from* Agriculture; Feeding and feeding stuffs; Forage plants; Silage (s); Silos (s)

*Refer from* Inheritance; Primogeniture; Property; Real estate

*Refer from* Entertainments; Etiquet; Guests; Home economics; Hospitality; Parties (s); Society

*Refer from* Amusements; Church entertainments; Entertaining; Sociables (s); Socials (s)



- Moving pictures; Pageants; Panoramas; Pantomime; Recitations and readings; School entertainments; Sunday school entertainments; Tableaux; Theater
- Enthusiasm**  
*See also* Emotions
- Entomologists**  
*See also* Naturalists
- Entomology *see* Insects  
 Entomology, Economic, *see* Insects, Injurious and beneficial  
 Entozoa *see* Parasites  
 Entrance examinations *see* College entrance requirements
- Environment**  
*See also* Acclimatization; Adaptation (biology); Anthropogeography; Ecology; Evolution; Heredity
- Envy**  
*See also* Emotions
- Enzymes**  
*See also* Fermentation; Malt
- Eocene period *see* Geology, Stratigraphic — Eocene; Paleontology — Eocene  
 Eolithic period *see* Stone age  
 Ephemerides *see* Nautical almanacs
- Epic poetry**  
*See also* Romances
- Epicureans**  
*See also* Philosophy, Greek
- Epidemics**  
*See also* Contagion and contagious diseases; Quarantine; *also* names of contagious diseases, e.g. Black death; Cholera, Asiatic; Plague; Smallpox; Yellow fever; *also* names of countries and cities, subhead Epidemics
- Epigrams**  
*See also* Maxims; Proverbs; Quotations; Table-talk; Toasts
- Epigraphy *see* Inscriptions
- Epilepsy**
- Episcopacy**  
*See also* Apostolic succession; Archbishops; Bishops; Catholic church; Church history; Church of England; Methodism; Ordination; Protestant Episcopal church in the U. S.  
 Episcopal church *see* Church of England; Methodist Episcopal church; Protestant Episcopal church in the U. S.  
 Epistemology *see* Knowledge; Metaphysics
- Epitaphs**  
*See also* Brasses; Inscriptions; Obituaries; Tombstones
- Epithets**  
*See also* Names; Nicknames  
 Epizoa *see* Parasites
- Refer from* Emotions; Fanaticism
- Refer from* Insects; Naturalists; Scientists; Zoologists
- Refer from* Acclimatization; Adaptation (biology); Anthropogeography; Anthropology; Ecology; Evolution; Man
- Refer from* Emotions; Ethics
- Refer from* Biology; Brewing; Digestion; Fermentation; Ferments (s); Physiological chemistry; Soluble ferments (s)
- Refer from* Poetry
- Refer from* Ethics; Hedonism; Materialism; Philosophy; Philosophy, Greek
- Refer from* Contagion and contagious diseases; Hygiene, Public; Medicine — History; Pestilences (s); Plague
- Refer from* Aphorisms (s); Apothegms (s); Humor; Literature; Maxims; Proverbs; Quotations; Sayings (s)
- Refer from* Consanguinity; Idiocy; Medicine — Practice; Nervous system — Diseases
- Refer from* Apostolic succession; Bishops; Catholic church; Catholic church — Clergy; Church of England; Church of England — Clergy; Church polity; Methodism; Protestant Episcopal church in the U. S.
- Refer from* Archaeology; Biography; Burial; Cemeteries; Inscriptions; Literature; Obituaries; Tombs; Tombstones
- Refer from* Language; Names; Nicknames

- como se trata de segredo.

**Equality**

*See also* Aristocracy; Class distinction; Democracy; Individualism; Liberty; Socialism

**Equations**

*See also* Algebra; Groups, Theory of Equestrianism *see* Horsemanship  
Equilibrium *see* Statics

**Equinoxes**

*See also* Astronomy

**Equity**

*See also* Actions at law; Chancery; Justice; Pleading and practice

**Equivocation**

*See also* Lying

**Erosion**

*See also* Coast changes; Geology; Glaciers; Physical geography; Sedimentation and deposition; Valleys

Erratics *see* Boulders

**Errors, Popular**

*See also* Blunders; Medical delusions; Superstition

**Errors, Theory of**

*See also* Least squares; Probabilities

**Errors and blunders, Literary**

*See also* Blunders; Literary forgeries and mystifications

Erse *see* Gaelic language; Irish language

Eruptive rocks *see* Igneous rocks

**Erysipelas****Escapes**

*See also* Adventure

**Eschatology**

*See also* Death; Future life; Future punishment; Heaven; Hell; Judgment day; Millennium; Purgatory; Resurrection; Second advent

Escuage *see* Scutage

**Eskimo language****Eskimos**

*See also* Alaska; Arctic regions; Ethnology — Alaska

Esoteric Buddhism *see* Theosophy

**Esperanto**

Esquimaux *see* Eskimos

**Essayists**

*See also* Authors

**Essays**

*See also* American essays; English essays; French essays; *also* subhead Essays, addresses, etc., under various subjects

**Essences and essential oils**

*See also* Chemistry, Technical; Flavoring extracts; Perfumery

**Essenes**

*Refer from* Class distinction; Democracy; Government; Liberty; Socialism; Sociology

*Refer from* Algebra; Calculus; Mathematics

*Refer from* Astronomy; Precession of the equinoxes (s)

*Refer from* Actions at law; Chancery; Jurisdiction; Justice; Law; Pleading and practice

*Refer from* Ethics; Falsehood (s); Lying; Prevarication (s)

*Refer from* Abrasion (geology) (s); Coast changes; Denudation (s); Geology; Glaciers; Physical geography; Rivers; Sedimentation and deposition; Valleys; Water

*Refer from* Blunders; Delusions (s); Mistakes (s); Popular errors (s)

*Refer from* Mathematics; Probabilities; Theory of errors (s)

*Refer from* Bibliography; Blunders; Cataloging; Literary blunders (s); Literary forgeries and mystifications; Literature; Mistakes (s)

*Refer from* Medicine — Practice

*Refer from* Adventure; Prison escapes (s)

*Refer from* Death; Future life; Judgment day; Resurrection; Second advent; Theology

*Refer from* Indians — Languages

*Refer from* Alaska; Arctic regions; Esquimaux (s); Ethnology — Alaska; Indians; Innuits (s)

*Refer from* Language, Artificial

*Refer from* Authors

*Refer from* Literature

*Refer from* Agricultural products; Aromatic plant products (s); Chemistry, Organic; Chemistry, Technical; Distillation; Essential oils (s); Flavoring extracts; Oil (s); Oils, Essential (s); Oils and fats; Spices; Vegetable oils (s); Volatile oils (s)

*Refer from* Jews; Jews — Religion





Essential oils *see* Essences and essential oils  
**Estates, Unclaimed**

**Esthetics**

*See also* Art; Art — Appreciation; Art — Criticism; Classicism; Color; Criticism; Grotesque; Idealism in art; Idealism in literature; Impressionism (art); Landscape; Music — Philosophy and esthetics; Naturalism in art; Naturalism in literature; Painting; Picturesque; Poetry; Proportion (art); Realism in art; Realism in literature; Rhythm; Romanticism; Sculpture; Sublime; Symmetry

Estimates *see* subhead Estimates under technical subjects, e.g. Building — Estimates

**Etching**

*See also* Engraving; Etchings; Pyrography; Stipple engraving; Zincography

**Etchings**

*See also* Engravings; Pictures

Eternal life *see* Future life

**Eternity**

*See also* Future life

**Ether (anesthetic)**

*See also* Anesthetics

**Ether (of space)**

*See also* Air

Ethical education *see* Moral education

**Ethics**

*See also* Affliction; Altruism; Amusements; Anger; Animals — Treatment; Art and morals; Asceticism; Avarice; Business ethics; Capital punishment; Character; Charity; Chastity; Cheerfulness; Christian ethics; Christian life and character; Civilization; Commandments; Compromise; Conduct of life; Conscience; Contentment; Courage; Courtesy; Crime and criminals; Cruelty; Dancing; Divorce; Dueling; Duty; Egoism; Emotions; Envy; Epicureans; Equivocation; Etiquet; Evil; Family; Fiction; Freedom of the will; Friendship; Gambling; Gentlemen; Gifts; Goodness; Habit; Happiness; Hedonism; Home; Honesty; Honor; Ideals; Interest; Justice; Kindness; Law; Legal ethics; Liberty; Liberty of conscience; Life; Literature; Immoral; Lotteries; Love; Loyalty; Lying; Manners and customs; Marriage; Medical ethics; Mercy; Moral education; Natural law; New thought; Oaths; Obedience; Patience; Patriotism; Peace; Philanthropy; Philosophy; Pleasure; Political ethics; Popularity; Pragmatism; Pride and vanity; Progress; Religion; Religion and ethics; Resignation; Secularism; Self-denial; Self-respect; Selfishness; Sexual ethics; Sin; Sincerity; Slavery; Social ethics; Social problems; Sociology; Soul; Spiritual life; Standard of living; State ethics; Stoics; Success; Suicide; Sunday; Swearing; Sympathy; Temperance; Temptation; Theater; Truth; Utilitarianism; Vice; Virtue; Vivi-

*Refer from* Genealogy; Inheritance; Property; Real estate; Unclaimed estates (s)

*Refer from* Aesthetics (s); Art; Art — Appreciation; Art — Criticism; Beautiful, The (s); Beauty (s); Criticism; Literature; Painting; Philosophy; Picturesque; Psychology; Rhetoric; Sculpture; Sublime; Symmetry; Taste (esthetics) (s)

*Refer from* Art; Engraving; Zincography

*Refer from* Drawings; Engravings; Etching; Pictures

*Refer from* Future life; Philosophy; Time

*Refer from* Aether (s); Anesthetics

*Refer from* Light; Luminiferous ether (s); Matter; Physics; Space; Waves

*Refer from* Altruism; Character; Christian ethics; Civilization; Conduct of life; Duty; Emotions; Ethology (s); Family; Hedonism; Immorality (s); Life; Man; Moral philosophy (s); Morality (s); Morals (s); Natural religion; Philosophy; Philosophy, Moral (s); Psychology; Religion; Right and wrong (s); Sociology; Theology; Vice; Virtue; Will



**Ethics** — Continued

section; War; Wealth; Will; Women; *also* names of countries and cities, subhead Moral conditions

—Christian, *see* Christian ethics

—Commercial, *see* Business ethics

—**History**

—**Japanese**

—**Jewish**

—Legal, *see* Legal ethics

—Medical, *see* Medical ethics

—National, *see* State ethics

—Political, *see* Political ethics

—Practical, *see* Conduct of life

—Sexual, *see* Sexual ethics

—Social, *see* Social ethics

—State, *see* State ethics

Ethics and religion *see* Religion and ethics

Ethnic psychology *see* Ethnopsychology

Ethnography *see* Ethnology

**Ethnology**

*See also* Anthropogeography; Anthropology; Anthropometry; Archaeology; Art, Primitive; Bible — Ethnology; Cannibalism; Cave dwellers; Civilization; Cliff dwellers and cliff dwellings; Climate; Color of man; Consanguinity; Costume; Ethnopsychology; Evolution; Folklore; Head-hunters; Industries, Primitive; Lake dwellers and lake dwellings; Language; Man; Manners and customs; Migration of nations; Mounds and mound builders; Mythology; National characteristics; Nations; Race problems; Savages; Skull; Society, Primitive; Tattooing; Totems and totemism; *also* names of countries, subhead Social life and customs, and names of races, tribes and peoples, e.g. Aryans, Gipsies, Hamites, Indians, Malays, Negroes, Semitic race, Yellow races

—**U. S.**

*See also* Anglo-Saxons; Indians; Race problems — U. S.

**Ethnopsychology**

*See also* National characteristics; Social psychology

Ethology *see* Ethics

**Etiquet**

*See also* Conversation; Courtesy; Courts and courtiers; Dancing; Dinners and dining; Entertaining; Gentlemen; Guests; Letter writing; Manners and customs; Precedence; Salutations; Society; Weddings; *also* names of countries, subhead Social life and customs

**Etymology**

*See also* Names; Words; *also* names of languages, subhead Etymology

Eucharist *see* Lord's supper; Mass

**Euchre**

*See also* Cards

*Refer from* Japan — Social life and customs; Japanese ethics (s)

*Refer from* Jewish ethics (s); Jews — Ethics (s); Jews — Social life and customs

*Refer from* Aborigines (s); Anthropology; Archaeology; Civilization; Ethnography (s); Geography; History; Man; Manners and customs; Migration of nations; Native races (s); Race characteristics (s); Races of man (s); Science

*Refer from* U. S. — Ethnology (s)

*Refer from* Anthropology; Ethnic psychology (s); Ethnology; Folk psychology (s); National characteristics; Psychology; Psychology, Comparative; Psychology, Ethnic (s); Psychology, Racial (s); Race psychology (s); Social psychology; Sociology

*Refer from* Behavior (s); Ceremonies (s); Conduct of life; Courtesy; Entertaining; Ethics; Gentlemen; Ladies (s); Letter writing; Manners (s); Manners and customs; Politeness (s); Self-culture; Society; Usages (s); Weddings; Women

*Refer from* Grammar; Language; Words

*Refer from* Cards



**Eudiometer**  
**Eugenics**

*See also* Consanguinity; Degeneration;  
Heredity; Marriage; Prenatal influences

**Europe — History**

**To 476**

*See also* Migration of nations

— 476–1492, *see* Middle ages — History

— 1492–1789

*See also* Austrian succession, War of;  
Eighteenth century; History, Modern;  
Seven years' war; Seventeenth century;  
Sixteenth century; Spanish succession,  
War of; Thirty years' war

— 1789–

*See also* Crimean war; History,  
Modern; Holy alliance; Napoleonic  
wars; Nineteenth century; Peninsular  
war, 1807–1814; Triple alliance

**European literature**

*See also* Literature; *also* names of litera-  
tures

Evaluation of literature *see* Book reviews;  
Books and reading; Books and reading —  
Best books; Criticism; Literature — His-  
tory and criticism

**Evangelical alliance**

Evangelical Lutheran church *see* Lutheran  
church

**Evangelistic work**

*See also* Conversion; Missions; Revivals;  
Salvation army

Evangelists *see* Apostles; Bible — New Testa-  
ment; Missionaries

**Evaporation**

*See also* Distillation; Drying

Evaporation of fruit *see* Fruit — Evaporation

**Evening and continuation schools**

Evening schools *see* Evening and continuation  
schools

**Evergreens**

*See also* Forests and forestry; Hedges;  
Trees

**Eviction**

**Evidence**

*See also* Affidavits; Certainty; Expert  
evidence; Identification; Logic; Witnesses

Evidences of Christianity *see* Christianity —  
Evidences

Evidences of the Bible *see* Bible — Evidences  
and authority

**Evil**

*See also* Dualism; Sin; Temptation

**Evil eye**

*See also* Charms; Superstition; Witch-  
craft

*Refer from* Chemistry — Analysis; Gases

*Refer from* Anthropology; Breeding; Chil-  
dren; Civilization; Heredity; Man; Marriage;  
Parents; Prenatal influences; Race improve-  
ment (s); Social problems; Sociology

*Refer from* Austrian succession, War of;  
History, Modern; Seven years' war; Spanish  
succession, War of; Thirty years' war

*Refer from* Crimean war; History, Modern;  
Holy alliance; Napoleonic wars; Nineteenth  
century; Peninsular war, 1807–1814; Triple  
alliance

*Refer from* Literature

*Refer from* Christian union; U. S. — Religious  
history

*Refer from* Church work; Conversion; Mis-  
sions; Revivals

*Refer from* Chemistry; Meteorology; Phys-  
ics; Vapor (s)

*Refer from* Continuation schools (s); Edu-  
cation; Education, Secondary; Evening  
schools (s); Night schools (s); Public schools;  
Schools

*Refer from* Forests and forestry; Hedges;  
Landscape gardening; Trees

*Refer from* Landlord and tenant; Rent

*Refer from* Acknowledgments; Actions at  
law; Circumstantial evidence (s); Criminal  
law; Faith; Identification; Law; Logic;  
Philosophy; Presumptive evidence (s);  
Proof (s); Testimony (s); Trials; Witnesses

*Refer from* Ethics; Religion; Sin; Tempta-  
tion; Theology

*Refer from* Demonology; Folklore; Magic;  
Superstition; Witchcraft

Findings = function.  
Findings = function.

Evil spirits *see* Demonology

**Evolution**

*See also* Adaptation (biology); Anatomy, Comparative; Anthropology; Biology; Color of animals; Color of man; Color of plants; Creation; Degeneration; Embryology; Environment; Heredity; Life — Origin; Man — Origin and antiquity; Mendel's law; Mimicry (biology); Missing link; Natural selection; Religion and science; Species; Teleology; Variation (biology)

*Refer from* Adaptation (biology); Anthropology; Biology; Botany; Creation; Darwinism (s); Degeneration; Development (s); Environment; Ethnology; Geology; Heredity; Lamarckism (s); Man; Man — Origin and antiquity; Materialism; Natural history; Natural selection; Origin of species (s); Philosophy; Philosophy, Modern; Religion and science; Science; Sociology; Species; Teleology; Variation (biology); Zoology

Ex libris *see* Bookplates

Examination of witnesses *see* Witnesses

Examination questions *see* Examinations

**Examinations**

*See also* Civil service examinations; College entrance requirements; Teachers — Examinations and certificates

*Refer from* Competitive examinations (s); Education; Examination questions (s); Teaching

**Excavating machinery**

*See also* Dredging; Mining machinery; Rock drills

*Refer from* Dredging; Excavation; Machinery; Mining machinery

**Excavation**

*See also* Earthwork; Excavating machinery; Tunnels

Excavations *see* Archaeology; Earthworks (archaeology)

*Refer from* Civil engineering; Earthwork

✓ **Exchange**

*See also* Balance of trade; Clearing houses; Commerce; Economics; Finance; Foreign exchange; Money; Stock exchange; Stocks; Supply and demand

*Refer from* Banks and banking; Bills of exchange (s); Business; Clearing houses; Commerce; Commercial law; Economics; Finance; Money; Negotiable instruments; Supply and demand

Excise laws *see* Internal revenue laws

**Excommunication**

*See also* Church discipline; Interdict

*Refer from* Catholic church; Catholic church — Government; Church discipline; Church polity; Interdict

Ex-convicts *see* Discharged prisoners

Excursions, School, *see* School excursions

**Executioners**

Executions *see* Capital punishment

**Executive ability**

*See also* Ability; Efficiency, Industrial; Leadership; Scientific management

*Refer from* Biography; Capital punishment

*Refer from* Ability; Efficiency, Industrial; Leadership; Scientific management

**Executive power**

*See also* Constitutional law; Monarchy; Pardon; Presidents; Veto

*Refer from* Constitutional law; Government; Presidents

Executors *see* Administrators and executors

Exegesis *see* Bible — Criticism and interpretation

Exemption from taxation *see* Taxation, Exemption from

**Exercise**

*See also* Gymnastics; Physical education; Play; Running; Training; Walking

*Refer from* Gymnastics; Hygiene; Physical education; Therapeutics

Exhaustion *see* Fatigue; Neurasthenia

**Exhibitions**

*See also* Agricultural exhibitions; Art — Galleries and museums; Museums; *also* special exhibitions, and subhead Exhibitions under names of cities and under various subjects, e.g. Art — Exhibitions

*Refer from* Expositions (s); Fairs; Industrial arts; Industrial exhibitions (s); International exhibitions (s); Museums; World's fairs (s)

**Exile**

*See also* Expatriation; Penal colonies; Siberia — Exiles

*Refer from* Banishment (s); Expatriation; Penal colonies; Punishment





Exorcism *see* Witchcraft

**Expansion (physics)**

*See also* Gases; Heat

Expansive classification *see* Classification, Expansive

**Expatriation**

*See also* Aliens; Citizenship; Exile; Naturalization

Expeditions, Scientific, *see* Scientific expeditions

**Experience**

*See also* Pragmatism

Experiment stations *see* Agricultural experiment stations

Experimental chemistry *see* Chemistry — Laboratory manuals

Experimental psychology *see* Psychology, Physiological

Experiments *see* under subject, e.g. Agricultural experimentation; Animal experimentation; Chemistry — Laboratory manuals; Electricity — Experiments; Physics — Experiments

**Expert evidence**

*See also* Medical jurisprudence

Expert testimony *see* Expert evidence

Explorations *see* Discoveries and explorations

**Explorers**

*See also* Discoveries and explorations; Travelers; Voyages and travels; *also* names of continents and countries, subheads Description and travel, and Discovery and exploration

**Explosions**

*See also* Boiler explosions; Explosives; Insurance, Casualty; Mine accidents; Safety lamps

**Explosives**

*See also* Ammunition; Blasting; Chemistry, Technical; Dynamite; Guncotton; Gunpowder; Mines, Military; Nitroglycerin; Torpedoes

Exportation *see* Commerce; Penal colonies; Tariff

Exports *see* Commerce; Tariff

Expositions *see* Exhibitions

**Express companies**

*See also* Carriers; Parcels post

**Expression**

*See also* Anatomy, Artistic; Delsarte system; Elocution; Physiognomy; Rhetoric

Expropriation *see* Eminent domain

Exterritorial jurisdiction *see* Exterritoriality

**Exterritoriality**

*See also* Ambassadors; Consuls

Extinct animals *see* Animals, Extinct; Paleontology

**Extra illustration**

*Refer from* Heat; Physics

*Refer from* Aliens; Citizenship; Exile

*Refer from* Knowledge; Psychology

*Refer from* Evidence; Expert testimony (s); Medical jurisprudence; Trials; Witnesses

*Refer from* Adventure; Biography; Discoverers (s); Discoveries and explorations; Geography; Heroes; Travelers; Voyagers (s); Voyages and travels

*Refer from* Accidents

*Refer from* Blasting; Chemistry, Technical; Dynamite; Explosions; Guncotton; Gunnery; Gunpowder; Manufactures; Military art and science; Mines, Military; Mining engineering; Nitroglycerin

*Refer from* Carriers; Public service corporations; Railroads; Transportation

*Refer from* Acting; Anatomy, Artistic; Delsarte system; Dramatic expression (s); Elocution; Emotions; Face; Physiognomy

*Refer from* Ambassadors; Consuls; Diplomatic and consular service; Exterritorial jurisdiction (s); Extraterritoriality (s); International law

*Refer from* Grangerism (s); Illustration of books



Extracts, Flavoring, *see* Flavoring extracts

7 **Extradition**

*See also* Asylum, Right of; Political offenses

*Refer from* Arrest; Crime and criminals; Criminal law; International law; Law; Political offenses

Extraterritoriality *see* Extraterritoriality

**Extravagance** *see* ~~Extravagance~~ *extravagance*

*See also* Sumptuary laws; Thrift

*Refer from* Conduct of life; Standard of living; Thrift

Extreme unction *see* Uction

**Eye**

*See also* Blind; Light; Sight; Spectacles

*Refer from* Anatomy; Eyes (s); Face; Head; Light; Ophthalmology (s); Optics, Physiological (s); Sight; Spectacles; Vision (s)

— **Diseases and defects**

*See also* Astigmatism; Blind; Color blindness; Eyestrain; Myopia; Ophthalmia

*Refer from* Astigmatism; Medicine — Practice; Myopia; Ophthalmia

Eye-glasses *see* Spectacles

Eye-strain *see* Eyestrain

Eyes *see* Eye

**Eyestrain**

*Refer from* Eye — Diseases and defects; Eye-strain (s)

**Fables**

*See also* Allegories; Animal lore; Bestiaries; Folklore; Parables

*Refer from* Allegories; Animal lore; Animals — Stories; Fiction; Folklore; Legends; Literature; Parables

**Fabliaux**

**Face**

*See also* Beauty, Personal; Color of man; Cosmetics; Expression; Eye; Mouth; Nose; Physiognomy

*Refer from* French poetry; Trouvères

Facetiæ *see* Humor

**Factories**

*See also* Factory inspection; Factory laws; Factory management; Factory system; Mills and millwork; Textile factories

*Refer from* Architecture; Factory system; Industrial arts; Manufactures; Mills and millwork

Factors *see* Brokers and factors

Factory costs *see* Cost accounting

**Factory inspection**

*See also* Employers' liability; Factory laws

*Refer from* Employers' liability; Factories; Factory laws; Factory system; Inspection of factories (s)

**Factory laws**

*See also* Child labor; Employers' liability; Factory inspection; Hours of labor; Labor laws; Women — Employment

*Refer from* Children — Law; Employers' liability; Factories; Factory inspection; Factory system; Government regulation of industry; Labor laws

**Factory management**

*See also* Cost accounting; Factory system; Scientific management

*Refer from* Factories; Factory system; Management of factories, shops, etc (s); Scientific management; Works management (s)

**Factory system**

*See also* Child labor; Factories; Factory inspection; Factory laws; Factory management; Hours of labor; Women — Employment

*Refer from* Child labor; Economics; Factories; Factory management; Industry; Labor and laboring classes; Manufactures; Women — Employment

Factory waste *see* Refuse and refuse disposal; Waste products

Faience *see* Pottery

Failure (in business) *see* Bankruptcy

Fair trade *see* Reciprocity

**Fairies**

*See also* Fairy tales; Folklore

*Refer from* Elves (s); Fairy tales; Folklore; Gnomes (s); Goblins (s); Superstition



**Fairs**

*See also* Agricultural exhibitions; Exhibitions; *also* names of cities, subhead Fairs

**Fairy tales**

*See also* Fairies; Folklore

**Faith**

*See also* Agnosticism; Belief; Certainty; Creeds; Evidence; Justification; Religion; Sects; Skepticism; Theology; Truth

**Faith cure**

*See also* Christian science; Emmanuel movement; Mental healing; Miracles; Suggestive therapeutics

**Falconry**

*See also* Game birds

Fall *see* Autumn

**Fall of man**

*See also* Bible — Old Testament — Genesis; Eden; Sin

**Fallacies**

*See also* Logic

Falling stars *see* Meteors

Falls *see* Waterfalls

Falsehood *see* Equivocation; Lying

**Fame**

*See also* Hall of fame

Families *see* Family; Genealogy

**Family**

*See also* Ancestor worship; Children; Divorce; Domestic relations; Ethics; Fathers; Home; Home economics; Home education; Husbands; Marriage; Matriarchy; Mothers; Parents; Patriarchy; Tribes and tribal system; Widows; Wives; Women

Family histories *see* names of countries and cities, subhead Genealogy; *also* names of individual families

Family prayer *see* Family worship

**Family worship**

*See also* Devotional exercises; Prayer; Prayers

**Famines**

*See also* Starvation

Fan *see* Fans

Fan blowers *see* Fans, Mechanical

Fan drill *see* Drills and marches

**Fanaticism**

*See also* Asceticism; Enthusiasm; Flagellants; Inquisition; Persecution

Fancy *see* Imagination

Fancy dress *see* Costume

**Fancy work**

*See also* Artificial flowers; Beadwork; Crocheting; Decoration and ornament; Drawn work; Embroidery; Knitting; Lace; Leather work; Needlework

**Fans**

*See also* Costume

*Refer from* Amusements; Commerce; Entertainments; Festivals

*Refer from* Children's literature; Fairies; Fiction; Folklore; Legends; Literature; Mythology; Stories (s)

*Refer from* Authority (in religion); Belief; Certainty; Christian life and character; Doubt (s); Justification; Religion; Religious belief (s); Theology

*Refer from* Divine healing (s); Medicine and religion; Mental healing; Subconsciousness; Suggestive therapeutics; Therapeutics

*Refer from* Birds; Fowling (s); Game birds; Hawking (s); Hunting; Sports

*Refer from* Bible; Bible — Old Testament — Genesis; Eden; Sin; Temptation; Theology

*Refer from* Logic

*Refer from* Success

*Refer from* Children; Consanguinity; Domestic relations; Ethics; Families (s); Home; Home economics; Husbands; Kinship (s); Man; Marriage; Parents; Social problems; Sociology; Tribes and tribal system; Wives; Women

*Refer from* Devotional exercises; Family prayer (s); Prayer; Prayers; Worship

*Refer from* Food supply; History; Relief work (s); Starvation

*Refer from* Intolerance (s); Religion; Theology

*Refer from* Crocheting; Decoration and ornament; Domestic arts; Drawn work; Embroidery; Home economics; House decoration; Knitting; Needlework; Women

*Refer from* Costume; Fan (s)



**Fans**—Continued

—**Electric**

*See also* Fans, Mechanical

—**Mechanical**

*See also* Fans, Electric; Mechanical draft

Far East *see* East

Far-eastern question *see* Eastern question (Far East)

Farm animals *see* Domestic animals; Live stock

**Farm buildings**

*See also* Architecture, Domestic; Barns and stables; Poultry houses

**Farm colonies**

Farm houses *see* Architecture, Domestic; Country houses; Farm buildings

**Farm implements and machinery**

*See also* Electricity on the farm; Farm motors; Harvesting machinery; Mowing machines; Plows

**Farm labor**

*See also* Peasantry

Farm laws *see* Agricultural laws

**Farm life**

*See also* City and country; Country life; Farmers; Gardening; Ranch life

Farm machinery *see* Farm implements and machinery

**Farm management**

*See also* Farm labor; Market gardening; Marketing of farm produce; Rotation of crops

**Farm motors**

*See also* Electricity on the farm; Farm implements and machinery; Traction engines; Windmills

Farm products *see* Agricultural products; Marketing of farm produce

**Farm schools**

Farm tools *see* Farm implements and machinery

**Farm values**

*See also* Farms, Abandoned

**Farmers**

*See also* Agricultural societies; Agriculture; Farm labor; Farm life; Grange

*Refer from* Electric apparatus and appliances; Electric fans (s); Fans, Mechanical; Ventilating fans (s); Ventilation

*Refer from* Blowers (s); Centrifugal fans (s); Fan blowers (s); Fans, Electric; Machinery; Mechanical draft; Mechanical fans (s); Ventilating fans (s); Ventilation

*Refer from* Agricultural physics; Agriculture; Architecture; Architecture, Domestic; Architecture, Rural (s); Barns and stables; Country houses; Farm houses (s); Poultry houses; Rural architecture (s)

*Refer from* Agricultural colonies (s); Agriculture; Charities; Colonies and colonization; Labor and laboring classes; Labor colonies (s); Land; Poor; Salvation army; Unemployed

*Refer from* Agricultural implements (s); Agricultural machinery (s); Agricultural tools (s); Agriculture; Electricity on the farm; Farm machinery (s); Farm motors; Farm tools (s); Harvesting machinery; Implements, utensils, etc.; Machinery; Mowing machines; Plows; Tools

*Refer from* Agricultural laborers (s); Agriculture; Farm management; Farmers; Labor and laboring classes; Peasantry

*Refer from* Agriculture; City and country; Country life; Farmers; Farming (s); Outdoor life; Rural life (s)

*Refer from* Agriculture; Farms; Marketing of farm produce; Range management (s)

*Refer from* Agricultural physics; Electricity on the farm; Engines; Farm implements and machinery; Motors

*Refer from* Agriculture — Study and teaching; Education; School farms (s); Schools

*Refer from* Agriculture; Farms; Real estate; Value

*Refer from* Agriculture; Farm life





**Farmers' institutes**

Farming *see* Agriculture; Farm life

Farming, Dry, *see* Dry farming

**Farms**

*See also* Agriculture; Farm management;

Farm values

—**Abandoned**

Farriery *see* Horse; Horseshoeing; Veterinary medicine

**Fashion**

*See also* Clothing; Costume; Dandies; Dressmaking; Hairdressing; Tailoring

**Fasting**

*See also* Asceticism; Fasts and feasts; Lent; Starvation

**Fasts and feasts**

*See also* Advent; Ash Wednesday; Christian year; Christmas; Easter; Festivals; Good Friday; Holidays; Holy week; Lent; Sunday; Thanksgiving day

Fat *see* Corpulence; Oils and fats

Fatalism *see* Fate and fatalism

**Fate and fatalism**

*See also* Fortune telling; Freedom of the will; Predestination

**Fathers**

*See also* Parents

**Fathers of the church**

*See also* Apostolic canons; Apostolic constitutions; Apostolic fathers; Church history — Early church; Councils and synods; Saints

**Fatigue**

*See also* Overwork; Rest

—**Mental**

*See also* Mental hygiene; Neurasthenia; Overpressure (education)

Fats *see* Oils and fats

Fauna *see* Zoology

**Fauns**

**Faust**

Favored nation clause *see* Commercial treaties

Fayence *see* Pottery

**Fear**

*See also* Courage; Emotions; Worry

Feasts *see* Fasts and feasts

**Feathers**

**Fecundity**

*See also* Reproduction

Federal courts *see* U. S. — Courts

*Refer from* Agricultural societies; Agriculture; Institutes, Farmers' (s)

*Refer from* Agriculture; Land; Real estate

*Refer from* Abandoned farms (s); Farm values

*Refer from* Costume; Hairdressing; Social psychology; Style (in dress) (s)

*Refer from* Abstinence (s); Asceticism; Penance

*Refer from* Catholic church; Christian antiquities; Christian year; Church calendar (s); Church ceremonies (s); Church festivals (s); Church of England; Church polity; Days; Ecclesiastical fasts and feasts (s); Fasting; Feasts (s); Festivals; Holidays; Holy days (s); Holy week; Lent; Protestant Episcopal church in the U. S.; Religion; Religious festivals (s); Rites and ceremonies

*Refer from* Destiny (s); Fatalism (s); Fortune (s); Luck (s); Philosophy

*Refer from* Children; Family; Husbands; Parents

*Refer from* Ante-Nicene fathers (s); Apostolic fathers; Catholic church; Catholic church — Biography; Christian biography; Church fathers (s); Church history; Church history — Early church; Patristics (s); Patrology (s); Post-Nicene fathers (s); Saints; Theology

*Refer from* Exhaustion (s); Hygiene; Nervous system; Overwork; Rest; Weariness (s)

*Refer from* Brain; Mental exhaustion (s); Mental fatigue (s); Mental hygiene; Mental overwork (s); Mind and body; Neurasthenia; Psychology, Physiological

*Refer from* Mythology

*Refer from* Legends

*Refer from* Anxiety (s); Emotions; Worry

*Refer from* Animal products; Birds; Millinery

*Refer from* Fertility (s); Reproduction; Vital statistics

January 2

January 3

**Federal government**

*See also* Democracy; Nationalism, New; Republics; Secession; State governments; State rights

Federal ownership *see* Government ownership

Federal regulation of industry *see* Government regulation of industry

Federation, Imperial, *see* Imperial federation

**Feeble-minded**

*See also* Children. Abnormal and backward; Defectives; Idiocy

Feed *see* Feeding and feeding stuffs

**Feed water**

*See also* Boiler scale; Boilers; Feed-water heaters; Injectors; Water — Purification

**Feed-water heaters****Feeding and feeding stuffs**

*See also* Alfalfa; Clover; Corn; Ensilage; Forage plants; Grain; Grasses; Hay; Live stock; Oats; Root crops

Feeling *see* Touch

Feelings *see* Emotions

Feet *see* Foot

Felony *see* Crime and criminals

Females *see* Women

**Fence wire****Fences**

*See also* Fence wire; Gates; Hedges; Railings

**Fencing**

*See also* Dueling; Swords

**Fenians (society)**

*See also* Canada — History — 1867-; Home rule — Ireland; Ireland — History; Ireland — Politics

Fens *see* Marshes

**Fermentation**

*See also* Bacteriology; Brewing; Chemistry, Organic; Chemistry, Technical; Enzymes; Putrefaction; Yeast

Ferments *see* Enzymes; Fermentation

**Ferns**

*See also* Cryptogams

**Ferries**

*See also* names of cities, subhead Ferries

Ferro-concrete *see* Concrete, Reinforced

**Ferrotypes**

Fertility *see* Fecundity; Soil fertility

**Fertilization of plants**

*See also* Botany — Physiology; Color of flowers; Plant breeding

**➤ Fertilizers and manures**

*See also* Agricultural chemistry; Alfalfa; Ammonia; Guano; Gypsum; Lime; Nitrification; Peat; Phosphates; Soil inoculation

*Refer from* Confederacies (s); Constitutional law; Democracy; Free institutions; Government; Republics; Secession

*Refer from* Brain; Children, Abnormal and backward; Defectives; Idiocy; Imbecility (s); Insanity; Mental diseases; Mentally deficient children (s)

*Refer from* Boiler scale; Boilers; Water; Water — Purification

*Refer from* Feed water

*Refer from* Agriculture; Alfalfa; Cattle; Corn; Ensilage; Feed (s); Fodder (s); Forage plants; Grasses; Hay; Live stock; Sheep; Soiling crops (s); Swine

*Refer from* Barbed wire (s); Fences; Wire

*Refer from* Architecture; Gates; Railings

*Refer from* Amusements; Athletics; Dueling; Fighting (s); Military art and science; Sports; Swords

*Refer from* Canada — History — 1867-; Home rule — Ireland; Ireland — History; Ireland — Politics; Secret societies

*Refer from* Bacteriology; Botany — Physiology; Chemistry; Chemistry, Organic; Chemistry, Technical; Enzymes; Ferments (s); Liquors; Physiological chemistry; Putrefaction; Yeast

*Refer from* Cryptogams; Filices (s)

*Refer from* Inland navigation; Transportation; Waterways

*Refer from* Photography; Tintype (s)

*Refer from* Botany; Botany — Physiology; Color of flowers; Flowers; Insects; Plants; Plants — Fertilization (s); Pollination (s)

*Refer from* Agricultural chemistry; Agriculture; Guano; Manures (s); Phosphates; Soil fertility; Soils



**Festivals**

*See also* Fairs; Fasts and feasts; Holidays; May day; Musical festivals; Pageants; Play festivals; Processions; Tournaments; *also* names of cities, subhead Festivals, etc.

Fetichism *see* Fetishism

**Fetishism**

*See also* Animism; Idolatry; Tree worship; Voodooism

Feudal system *see* Feudalism

**Feudalism**

*See also* Chivalry; Civilization, Medieval; Clans; Knights and knighthood; Manors; Middle ages; Peasantry; Scutage; Serfdom; Villeinage

Feuds *see* Vendetta

**Fever**

*See also* Hay fever; Malaria; Scarlet fever; Typhoid fever; Typhus fever; Yellow fever

Fiat money *see* Coinage; Greenbacks; Legal tender; Paper money

**Fibers**

*See also* Cotton; Flax; Hemp; Jute; Linen; Ramie; Silk; Textile industry and fabrics; Wool

Fibres *see* Fibers

**Fiction**

*See also* Allegories; Fables; Fairy tales; Folklore; Historical fiction; Idealism in literature; Legends; Naturalism in literature; Novelists; Plots (drama, novel, etc.); Realism in literature; Romances; Short stories; *also* American fiction, English fiction, etc.; *also* Automobile stories, College stories, Detective stories, Railroad stories, School stories, Sea stories, and similar headings, and subhead Fiction under various subjects

—Historical, *see* Historical fiction

**Fiction in libraries**

*See also* Children's literature

Fictitious names *see* Pseudonyms; Fiction — Dictionaries; Literature — Dictionaries

Fiddle *see* Violin

Fidelity *see* Loyalty

Field artillery *see* Artillery

Field hospitals *see* Hospitals, Military; Medicine, Military

Field sports *see* Hunting; Sports; Track athletics

**Fifteenth century**

*See also* Renaissance

Fighting *see* Boxing; Bullfights; Dueling; Fencing; Gladiators; Military art and science; Naval art and science; Tournaments; War

**Figure drawing**

*See also* Anatomy, Artistic; Figure painting

Figure of the earth *see* Earth — Figure

*Refer from* Amusements; Carnivals (s); Celebrations (s); Days; Entertainments; Fasts and feasts; Holidays; Pageants; Religious festivals (s)

*Refer from* Animism; Fetichism (s); Idolatry; Indians — Religion; Superstition; Worship

*Refer from* Chivalry; Civilization, Medieval; Feudal system (s); Government; Knights and knighthood; Land tenure; Law; Manors; Middle ages; Scutage; Serfdom; Sociology; Vassals (s); Villeinage

*Refer from* Inflammation; Medicine — Practice; Pathology

*Refer from* Agricultural products; Cordage; Cotton; Fibres (s); Flax; Hemp; Jute; Linen; Ramie; Textile fibers (s); Textile industry and fabrics

*Refer from* Ethics; Literature; Novels (s); Romance (s); Romances; Short stories; Stories (s)

*Refer from* Books and reading; Children's literature; Libraries; Libraries and fiction (s); Library administration

*Refer from* History, Modern; Middle ages; Renaissance

*Refer from* Anatomy, Artistic; Drawing; Figure painting; Human figure in art (s)

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**Figure painting**

*See also* Anatomy, Artistic; Figure drawing; Painting; Proportion (art)  
Figures of speech *see* Rhetoric

**Files and rasps****Filibusters**

*See also* Buccaneers; Cuba — History; Pirates

Filices *see* Ferns

**Filters and filtration**

*See also* Water — Purification; Water supply

Filtration *see* Filters and filtration

Final cause *see* Causation; Teleology

**Finance**

*See also* Auditing; Bankruptcy; Banks and banking; Bimetallism; Bonds; Business depression; Capital; Capitalists and financiers; Church finance; Claims; Commerce; Corporations; Credit; Debts, Public; Economics; Exchange; Foreign exchange; Income; Insurance; Interest; Internal revenue laws; Investments; Loans; Money; Municipal finance; Panics; Prices; Repudiation; Securities; Silver (as money); Sinking funds; Speculation; Stock exchange; Stocks; Tariff; Taxation; Trust companies; Trusts; Wealth; *also* names of countries, subhead Finance

Financial crises *see* Panics

Financiers *see* Capitalists and financiers

Finding lists *see* Catalogs, Library

Fine arts *see* Art

**Finger plays**

Finger marks *see* Finger prints

**✓ Finger prints *and identification***

*See also* Bertillon system; Identification

Finger rings *see* Rings

Fingers *see* Finger prints; Hand

Finite *see* Infinite

**Finnish language**

*See also* Ural-Altaic languages

**Finnish literature**

*See also* Finnish poetry

**Finnish poetry**

*See also* Finnish literature

**Fire**

*See also* Combustion; Fires; Flame; Fuel; Heat; Heating; Smoke; *also* headings beginning Fire

**Fire alarms**

Fire balls *see* Meteors

**Fire boats****Fire damp**

*See also* Mine accidents; Mine fires; Mine ventilation

**Fire departments**

*See also* Fire protection; Firemen; *also* official reports of fire departments under names of cities

*Refer from* Anatomy, Artistic; Figure drawing; Human figure in art (s); Painting

*Refer from* Hardware; Rasps (s); Tools

*Refer from* Buccaneers; Cuba — History; Freebooters (s)

*Refer from* Filtration (s); Sanitary engineering; Sewage; Water — Purification; Water supply

*Refer from* Banks and banking; Bimetallism; Bonds; Business; Commerce; Debts, Public; Economics; Exchange; Funds (s); Government; History; Income; Loans; Money; Paper money; Revenue (s); Taxation; Wealth

*Refer from* Kindergarten

*Refer from* Anthropometry; Bertillon system; Finger marks (s); Fingers (s); Hand; Identification

*Refer from* Ural-Altaic languages

*Refer from* Finnish poetry

*Refer from* Finnish literature

*Refer from* Chemistry; Combustion; Flame; Heat

*Refer from* Electric apparatus and appliances; Fires; Signals

*Refer from* Boats and boating; Fire protection; Steamboats

*Refer from* Gases; Marsh gas (s); Mine accidents; Mine fires; Mine ventilation

*Refer from* Fire protection; Firemen





**Fire drills**

**Fire engines**

**Fire escapes**

Fire etching *see* Pyrography

Fire insurance *see* Insurance, Fire

Fire-places *see* Fireplaces

Fire prevention *see* Fire protection

Fire-proof buildings *see* Fireproof construction

**Fire protection**

*See also* Fire boats; Fire departments; Fire drills; Fire engines; Fire escapes; Fireproof construction; Fireproofing

**Fire walk**

**Fire worship**

*See also* Parsees; Zoroastrianism

**Firearms**

*See also* Ammunition; Arms and armor; Arsenals; Artillery; Gunnery; Gunpowder; Guns; Ordnance; Pistols; Projectiles; Rifles; Shooting; Shotguns; Target practice

**Fireless cookers**

**Firemen**

*See also* Fire departments

**Fireplaces**

*See also* Architecture, Domestic; Chimneys; Mantels

**Fireproof construction**

*See also* Building laws; Concrete construction; Fireproofing; Steel construction

**Fireproofing**

*See also* Asbestos; Fireproof construction

**Fires**

*See also* Chimneys; Fire alarms; Fire protection; Forest fires; Insurance, Fire; Mine fires; *also* names of cities, subhead Fires and fire prevention

**Fireworks**

**First aid in illness and injury**

*See also* Accidents; Bandages and bandaging; Battlefield relief; Burns and scalds; Drowning; Poisons

**Fish**

*See also* Aquariums; Fish as food; Fish culture; Fisheries; Fishing; Marine zoology; Vertebrates; *also* names of fishes, e.g. Salmon, Trout

**—U. S.**

*See also* Fisheries — U. S.

**Fish as food**

*See also* Sea food

*Refer from* Fire protection; School management

*Refer from* Engines; Fire protection; Steam engines

*Refer from* Building; Building laws; Fire protection

*Refer from* Fire departments; Fire prevention (s); Fires; Municipal improvement; Protection from fire (s)

*Refer from* Ordeals; Rites and ceremonies

*Refer from* Elements, Worship of; Parsees; Worship; Zoroastrianism

*Refer from* Ammunition; Arms and armor; Gunnery; Guns; Military art and science; Ordnance; Pistols; Projectiles; Rifles; Shooting; Small arms (s); Weapons (s)

*Refer from* Cookery; Hay boxes (s); Hay stoves (s); Home economics; Stoves

*Refer from* Fire departments; Life-saving

*Refer from* Architecture; Architecture, Domestic; Chimneys; Fire-places (s); Heating; House decoration; Mantels

*Refer from* Architecture; Building; Building laws; Building materials; Concrete construction; Fire-proof buildings (s); Fire protection; Fireproofing

*Refer from* Fire protection; Fireproof construction; Insurance, Fire

*Refer from* Conflagrations (s); Disasters; Fire; Life-saving; Theater fires (s)

*Refer from* Chemistry, Technical; Pyrotechnics (s)

*Refer from* Accidents; Ambulance drill (s); Ambulances; Bandages and bandaging; Battlefield relief; Burns and scalds; Drowning; Emergencies (s); Hospitals; Injuries (s); Life-saving; Medicine; Medicine, Military; Nurses and nursing; Poisons; Relief work (s); Surgery; Surgery, Military; Therapeutics

*Refer from* Fisheries; Fishes (s); Ichthyology (s); Marine zoology; Pisces (s); Salmon; Trout; Vertebrates; Zoology

*Refer from* Fisheries — U. S.; U. S.— Fish (s); U. S.— Ichthyology (s); Zoology — U. S.

*Refer from* Cookery; Fish; Food; Sea food



**Fish culture**

*See also* Fisheries

**Fisheries**

*See also* Fish; Fish culture; Fishing;  
Seals (animals)

—U. S.

*See also* Fish — U. S.

**Fishermen**

*See also* Fishing; Missions — Seamen

Fishes *see* Fish

**Fishing**

*See also* Fisheries; Fishermen; Game laws;  
Harpoons; Salmon; Trout

Five nations *see* Iroquois Indians

**Flag day****Flagellants**

Flagellation *see* Flagellants; Flogging

**Flags**

*See also* Flag day; Signals

**Flame**

*See also* Fire

Flash-light photography *see* Photography.

Flash-light

Flats *see* Apartment houses

**Flavoring extracts**

*See also* Essences and essential oils;  
Vanilla

**Flax**

*See also* Fibers; Linen

Fleets *see* Navies; Ships; Warships

**Flemish language**

*See also* Germanic languages

**Flies**

*See also* Diptera; Hessian flies; Insects  
as carriers of contagion; Tsetse flies

**Flight**

*See also* Aerodynamics; Aeronautics;  
Animal locomotion; Animal mechanics;  
Birds; Flying machines; Wings

Flint implements *see* Stone implements

**Flogging**

*See also* Corporal punishment; Flagellants

Flood *see* Deluge

**Floods**

*See also* Insurance, Casualty; Meteorology;  
Rivers

**Floors**

*See also* Building; Carpets; Linoleum;  
Mosaics; Pavements; Rugs; Sweeping  
Flora *see* Botany

*Refer from* Fish; Fisheries; Pisciculture (s)

*Refer from* Fish; Fish culture; Fishing;  
Industrial arts; Sea fisheries (s)

*Refer from* Fish — U. S.; U. S.— Fish-  
eries (s); U. S.— Foreign relations; U. S.—  
Industries and resources

*Refer from* Fishing

*Refer from* Angling (s); Aquatic sports;  
Fish; Fisheries; Fishermen; Hunting; Outdoor  
life; Sports

*Refer from* Flags; Holidays

*Refer from* Church history; Church history  
— Middle ages; Fanaticism; Flagellation (s);  
Flogging; Penitentes (s); Sects

*Refer from* Banners (s); Ensigns (s); Herald-  
ry; Military art and science; Signals; Stand-  
ards (s)

*Refer from* Fire; Heat

*Refer from* Cookery; Essences and essential  
oils; Extracts, Flavoring (s); Food; Vanilla

*Refer from* Fibers; Linen; Textile industry  
and fabrics; Yarn

*Refer from* Germanic languages; Low German  
language

*Refer from* Contagion and contagious dis-  
eases; Diptera; Fly (s); House flies (s);  
Household pests; Insects as carriers of con-  
tagion

*Refer from* Aerodynamics; Aeronautics;  
Animal locomotion; Animal mechanics; Birds;  
Flying (s); Locomotion; Wings

*Refer from* Corporal punishment; Flagella-  
tion (s); Punishment; Rod, The (s); Whip-  
ping (s)

*Refer from* Disasters; History; Hydraulic  
engineering; Inundations (s); Meteorology;  
Rivers

*Refer from* Architecture; Building; Car-  
pentry

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**Floral decoration**

*See also* Church decoration and ornament;  
Flowers

*Refer from* Church decoration and ornament;  
Decoration and ornament; Flowers; House  
decoration

Floral design *see* Design, Decorative· Plant  
forms

**Floriculture**

*See also* Annuals (plants); Bulbs; Electro-  
horticulture; Flowers; Fumigation of plants;  
Gardening; Greenhouses; Plant breeding;  
Plant propagation; Window gardening;  
*also* names of special flowers, e. g. Carnations;  
Lilies; Orchids; Roses; Violets

*Refer from* Agriculture; Annuals (plants);  
Botany; Bulbs; Carnations; Flower garden-  
ing (s); Flowers; Gardening; Horticulture (s);  
House plants (s); Industrial arts; Lilies;  
Orchids; Plants; Plants, Cultivated; Roses;  
Violets; Window gardening

**Flour and flour mills**

*See also* Grain; Wheat

*Refer from* Bread; Food; Grist mills (s);  
Manufactures; Milling (flour) (s); Mills and  
millwork; Wheat

Flow of water *see* Hydraulics

Flower drawing *see* Flower painting and  
drawing

Flower forms *see* Plant forms

Flower gardening *see* Floriculture

Flower gardens *see* Gardens

**Flower language**

*Refer from* Flowers; Flowers, Language  
of (s); Language of flowers (s); Plant lore  
*Refer from* Charities; Flowers

**Flower missions****Flower painting and drawing**

*See also* Plant forms

*Refer from* Drawing; Flower drawing (s);  
Flowers; Painting; Plant forms

**Flowers**

*See also* Artificial flowers; Botany; Buds;  
Color of flowers; Fertilization of plants;  
Floral decoration; Floriculture; Flower lan-  
guage; Flower missions; Flower painting and  
drawing; Flowers in poetry; Glass flowers;  
National flowers; Odors; Paper flowers;  
Plants; Wax flowers; Window gardening;  
*also* names of flowers, e. g. Carnations,  
Lilies, Lotus, Orchids, Roses, Violets

*Refer from* Botany; Botany, Structural;  
Floral decoration; Floriculture; Plants; Wild  
flowers (s)

—Artificial, *see* Artificial flowers

—Language of, *see* Flower language

—National, *see* National flowers

**Flowers in poetry**

*Refer from* Flowers; Poetry; Poetry of  
flowers (s)

**Fluids**

*See also* Gases; Hydraulic engineering;  
Hydraulics; Hydrodynamics; Hydrostatics;  
Jets; Liquids; Mechanics; Osmosis; Physics;  
Solution (chemistry); Viscosity

*Refer from* Hydraulic engineering; Hydraul-  
ics; Hydrostatics; Liquids; Mechanics; Phys-  
ics

**Flumes**

*See also* Hydro-electric plants; Irriga-  
tion canals; Water power

*Refer from* Irrigation canals; Water power

**Flute**

*See also* Musical instruments; Wind in-  
struments

*Refer from* Musical instruments; Wind in-  
struments

**Flute ceremonies**

*Refer from* Hopi Indians; Indians — Re-  
ligion; Rites and ceremonies

Fluxions *see* Calculus

Fly *see* Flies

Flying *see* Flight

**Flying machines**

*See also* Aeronautic motors; Aeronautics;  
Aeroplanes

*Refer from* Aerodromes (s); Aeronautics;  
Aeroplanes; Flight; Helicopters (s)

Fodder *see* Feeding and feeding stuffs

**Fog**

*See also* Fog signals; Meteorology

*Refer from* Meteorology; Water



**Fog signals**

Foliage *see* Leaves

Folk dances *see* Dancing

Folk-lore *see* Folklore

Folk psychology *see* Ethnopsychology

**Folk songs**

*See also* Ballads; Carols; Folklore; Lullabies; National songs; Negro songs; Songs

**Folklore**

*See also* Animal lore; Animism; Chapbooks; Charms; Counting out; Devil; Divining rod; Evil eye; Fables; Fairies; Fairy tales; Folk songs; Geographical myths; Ghosts; Legends; Manners and customs; Medical folklore; Mythology; Nature myths; Nursery rhymes; Plant lore; Proverbs; Romances; Sagas; Superstition; Weather lore; Witchcraft

**—Celtic**

*See also* Legends, Celtic

—Indians, *see* Indians — Folklore

**—Japan**

*See also* Legends — Japan

—Negroes, *see* Negroes — Folklore

Folklore of animals *see* Animal lore

Folklore of medicine *see* Medical folklore

Folklore of plants *see* Plant lore

Fonts *see* Baptismal fonts

**Food**

*See also* Animal food; Bakers and bakeries; Beverages; Bread; Butter; Cannibalism; Cereals, Prepared; Chocolate; Condiments; Cookery; Corpulence; Cost of living; Diet; Digestion; Dinners and dining; Eating; Eggs; Fish as food; Flavoring extracts; Flour and flour mills; Food adulteration and inspection; Food laws; Food preservation and preservatives; Food supply; Fruit; Grain; Groceries; Hygiene; Liquors; Marketing; Markets; Meat; Milk; Mushrooms; Nutrition; Nuts; Oysters; Poultry; Proteins; Sea food; Stimulants; Sugar; Table; Temperance; Vegetables; Vegetarianism

**—Analysis**

*See also* Food adulteration and inspection

**Food adulteration and inspection**

*See also* Adulterations; Chemistry, Household; Consumers' leagues; Food — Analysis; Food laws; Food preservation and preservatives; Meat inspection; Milk supply; Oleomargarine

Food for invalids *see* Cookery for the sick; Diet

Food inspection *see* Food adulteration and inspection

**Food laws**

*See also* Food adulteration and inspection

**Food preservation and preservatives**

*See also* Canning and preserving; Cold storage; Food adulteration and inspection;

*Refer from* Fog; Navigation; Signals

*Refer from* Ballads; Folklore; National songs; Songs

*Refer from* Animal lore; Archaeology; Ethnology; Fables; Fairies; Fairy tales; Fiction; Folk-lore (s); Folk songs; Legends; Literature; Man; Manners and customs; Mythology; People; Plant lore; Proverbs; Sagas; Superstition; Traditions (s)

*Refer from* Celtic folklore (s); Celts; Legends. Celtic

*Refer from* Japan — Folklore (s); Japanese folklore (s); Legends — Japan

*Refer from* Beverages; Cookery; Diet; Digestion; Dinners and dining; Eating; Gastronomy (s); Home economics; Hygiene; Meals (s); Nutrition; Table

*Refer from* Analysis of food (s); Chemistry, Household; Food adulteration and inspection; Sanitary chemistry

*Refer from* Adulterations; Analysis of food (s); Chemistry, Household; Food; Food — Analysis; Food inspection (s); Food laws; Food preservation and preservatives; Hygiene; Hygiene, Public; Inspection of food (s); Meat inspection; Pure food laws (s); Sanitary chemistry

*Refer from* Food; Food adulteration and inspection; Pure food laws (s)

*Refer from* Canning and preserving; Cold storage; Food; Food adulteration and inspection





Formaldehyde; Refrigeration and refrigerating machinery

**Food supply**

*See also* Agriculture — Statistics; Corn laws; Famines; Packing industry

**Fools**

*See also* Idiocy

**Foot**

*See also* Anatomy; Boots and shoes; Chiropody; Hosiery  
Foot-racing *see* Running  
Foot-soldiers *see* Infantry

**Football**

*See also* College athletics

**Footprints, Fossil**

Fops *see* Dandies

**Forage plants**

*See also* Alfalfa; Clover; Corn; Ensilage; Feeding and feeding stuffs; Grasses; Grazing; Pastures and meadows; Sorghum

**Force and energy**

*See also* Centrifugal force; Dynamics; Dynamometer; Electromotive force; Mechanics; Motion; Physics; Potential, Theory of

**Forecasts**

*See also* Fortune telling; Prophecies; Utopias; Weather forecasts

**Foreign exchange**

*See also* Money

Foreign missions *see* Missions, Foreign

Foreign relations *see* International relations;  
*also* names of countries, subhead Foreign relations

Foreign trade *see* Commerce

Foreigners *see* Aliens; Citizenship; English language — For foreigners; Naturalization;  
*also* names of countries and cities, subhead Foreign population

**Foremen's schools**

Forenames *see* Names, Personal

Forensic chemistry *see* Chemistry, Legal

Forensic medicine *see* Medical jurisprudence

Foreordination *see* Predestination

**Forest fires**

**Forest nurseries**

**Forest planting**

*See also* Tree planting

**Forest products**

*See also* Botany, Economic; Commercial products; Gums and resins; Lumber and lumbering; Rubber; Timber; Veneers and veneering; Wood; Wood pulp

**Forest reserves**

*See also* Forests and forestry; National parks and reserves

tion; Preservation of food (s); Preservatives (food) (s)

*Refer from* Commerce; Economics; Food; Prices

*Refer from* Clowns; Court fools (s); Humor; Jesters (s)

*Refer from* Anatomy; Feet (s); Toes (s)

*Refer from* Ball (s); College athletics; Games; School athletics

*Refer from* Fossil footprints (s); Ichnology (s); Paleontology

*Refer from* Agriculture; Alfalfa; Feeding and feeding stuffs; Grasses; Grazing; Pastures and meadows

*Refer from* Conservation of energy (s); Correlation of forces (s); Dynamics; Energy (s); Kinematics; Matter; Mechanics; Metaphysics; Motion; Philosophy; Physics; Power

*Refer from* Future (s); Predictions (s); Prophecies; Utopias

*Refer from* Banks and banking; Cambistry (s); Commerce; Commercial law; Exchange; Finance; International exchange (s); Money

*Refer from* Industrial education; Scientific management; Technical education

*Refer from* Fires; Forests and forestry

*Refer from* Forests and forestry; Nurseries (horticulture); Trees

*Refer from* Afforestation (s); Forests and forestry; Planting (s); Reforestation (s); Tree planting; Trees

*Refer from* Agricultural products; Botany, Economic; Commercial products

*Refer from* Forests and forestry; National parks and reserves; U. S. — Public lands



Forest schools *see* Open-air schools  
Forestalling *see* Monopolies  
Forestry *see* Forests and forestry  
Forestry education *see* Forestry schools and education

**Forestry schools and education**

Forests, Petrified, *see* Petrified forests

**Forests and forestry**

*See also* Arbor day; Conservation of resources; Evergreens; Forest fires; Forest nurseries; Forest planting; Forest reserves; Forestry schools and education; Grafting; Landscape gardening; Lumber and lumbering; Natural resources; Pruning; Timber; Tree planting; Trees; Wood

—U. S.

Forge work *see* Blacksmithing; Forging; Ironwork

Forgeries *see* Antiques, Forged; Art forgeries; Forgery; Literary forgeries and mystifications

**Forgery**

*See also* Art forgeries; Counterfeits; Embezzlement; Literary forgeries and mystifications

Forgery of antiques *see* Antiques, Forged

Forgery of works of art *see* Art forgeries

**Forging**

*See also* Blacksmithing; Dies; Ironwork; Welding

Form, Musical, *see* Musical form

Formal gardening *see* Landscape gardening

**Formaldehyde**

*See also* Disinfection and disinfectants; Fumigation

Formalin *see* Formaldehyde

**Forms (in law)**

*See also* Actions at law; Affidavits; Commercial law; Conveyancing; Deeds; Mortgages; Pleading and practice

**Fortification**

*See also* Castles; Coast defense; Earthwork; Gunnery; Military architecture; Mines, Military; *also* names of cities, subhead Fortifications, and names of countries, subhead Defenses

Fort *see* Fortification

Fortune *see* Chance; Fate and fatalism; Probabilities; Success

**Fortune telling**

*See also* Astrology; Cards; Clairvoyance; Crystal gazing; Divination; Dreams; Halloween; Palmistry

Fortunes *see* Income; Millionaires; Wealth

Fossil footprints *see* Footprints, Fossil

Fossil insects *see* Insects, Fossil

Fossil mollusks *see* Mollusks, Fossil

**Fossil plants**

*See also* Paleontology; Petrified forests; Trees, Fossil

*Refer from* Agriculture — Study and teaching; Forestry education (s); Forests and forestry; Technical education

*Refer from* Agriculture; Arboriculture (s); Botany; Conservation of resources; Evergreens; Forest reserves; Forestry (s); Landscape gardening; Lumber and lumbering; Natural resources; Silviculture (s); Timber; Trees; Water supply; Wood; Woods (s)

*Refer from* U. S. — Forests and forestry (s); U. S. — Industries and resources

*Refer from* Counterfeits; Crime and criminals; Embezzlement; Forgeries (s); Fraud; Imposture; Writing

*Refer from* Blacksmithing; Dies; Drop forging (s); Forge work (s); Ironwork; Machine shop practice

*Refer from* Disinfection and disinfectants; Food preservation and preservatives; Formalin (s); Fumigation

*Refer from* Actions at law; Business; Commercial law; Conveyancing; Law; Legal forms (s); Pleading and practice

*Refer from* Architecture, Military (s); Earthwork; Forts (s); Military architecture; Military art and science; Military engineering; Sieges

*Refer from* Amusements; Cards; Character reading (s); Divination; Dreams; Fate and fatalism; Forecasts; Future (s); Prophecies; Superstition

*Refer from* Botany; Botany, Fossil (s); Fossils (s); Paleobotany (s); Paleontology; Plants, Fossil (s)

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Fossil reptiles *see* Reptiles, Fossil

Fossil trees *see* Trees, Fossil

Fossil wood *see* Trees, Fossil

Fossils *see* Paleontology; *also* Fossil plants, and subhead Fossil under various animals and plants

### Foundations

*See also* Bridges — Foundations and piers; Building; Caissons; Civil engineering; Cofferdams; Compressed air; Concrete; Earthwork; Masonry; Piles and pile driving; Shoring and underpinning; Walls

Founding *see* Foundry work

### Foundlings

*See also* Adoption; Children — Charities, protection, etc.; Orphans and orphan asylums

### Foundry work

*See also* Cast iron; Cupola furnaces; Pattern making

### Fountains

*See also* Springs

### Fourth dimension

### Fourth of July

*See also* Declaration of independence; Fourth of July orations

### Fourth of July orations

Fowl *see* Poultry

Fowling *see* Falconry

Fowls *see* Poultry

Fox *see* Foxes

### Foxes

*See also* Carnivora

### Fractures

*See also* Bones; Radiography; Surgery; X rays

Frames (for pictures) *see* Picture frames

### France — History

*See also* Basques

#### — To 1328

*See also* Franks; Gauls

#### — House of Valois, 1328–1589

*See also* Agincourt, Battle of; Huguenots; Hundred years' war; Reformation — France; St. Bartholomew's day, Massacre of

#### — Bourbons, 1589–1789

*See also* Austrian succession, War of; Diamond necklace affair; French and Indian war; Fronde; Iron Mask; Seven years' war; Spanish succession, War of

#### — Revolution, *see* French revolution

#### — Consulate and empire, 1799–1815

*See also* Napoleonic wars; Peninsular war, 1807–1814; Waterloo, Battle of

#### — Restoration, 1815–1848

*Refer from* Architecture; Building; Caissons; Civil engineering; Cofferdams; Earthwork; Engineering; Masonry; Piles and pile driving; Shoring and underpinning; Walls

*Refer from* Children; Children — Charities, protection, etc.; Orphans and orphan asylums,

*Refer from* Cast iron; Casting (s); Cupola furnaces; Founding (s); Furnaces; Industrial arts; Iron; Iron founding (s); Iron industry; Machine shop practice; Metals; Molding (s); Moulding (s); Pattern making; Steel; Tupperes (s)

*Refer from* Architecture; Hydraulic engineering; Water supply

*Refer from* Dimension, Fourth (s); Geometry; Hyperspace (s); Mathematics; Space

*Refer from* Declaration of independence; Holidays; Independence day (s); July fourth (s)

*Refer from* Fourth of July; Orations, American; U. S. — History — Revolution

*Refer from* Carnivora; Fox (s); Fur-bearing animals; Hunting

*Refer from* Bones; Surgery

*Refer from* Franks; Gauls

*Refer from* Agincourt, Battle of; Hundred years' war; Reformation — France; St. Bartholomew's day, Massacre of

*Refer from* Ancien régime (s); Austrian succession, War of; Fronde

*Refer from* Napoleonic wars; Waterloo, Battle of

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**France — History — Continued**

**— Revolution of 1848**

*See also* France — History — Second republic

**— Second republic, 1848-1852**

*See also* France — History — Revolution of 1848; France — History — Coup d'état, 1851

**— Coup d'état, 1851**

*See also* France — History — Second republic; France — History — Second empire

**— Second empire, 1852-1870**

*See also* Crimean war; France — History — Coup d'état, 1851; Franco-German war

— Franco-German war, 1870-1871, *see* Franco-German war

**— Third republic, 1870-**

*See also* Paris — History — Siege and commune, 1871

Franchise *see* Suffrage

Franchise taxation *see* Corporations — Taxation

Franchises, Municipal, *see* Municipal franchises

**Franciscans**

*See also* Capuchins; Monasticism

**Franco-German war, 1870-1871**

*See also* France — History — Second empire; Paris — History — Siege and commune, 1871; Sedan campaign

**Franking privilege**

**Franks**

*See also* France — History — To 1328; Germany — History — To 1517

Fraternal insurance *see* Benefit societies

Fraternities, Benevolent, *see* Benefit societies

**Fraternities, College**

*See also* Hazing; Secret societies

**Fraternities, High school**

**Fraud**

*See also* Antiques, Forged; Art forgeries; Counterfeits; Forgery; Imposture; Swindlers and swindling

Frauds, Literary, *see* Literary forgeries and mystifications

Free agency *see* Freedom of the will

**Free churches**

Free coinage of silver *see* Coinage; Silver (as money)

Free-hand drawing *see* Drawing

**Free institutions**

*See also* Democracy; Federal government; Liberty; Representative government and representation; Republics

*Refer from* France — History — Second republic; Revolutions

*Refer from* France — History — Revolution of 1848; France — History — Coup d'état, 1851

*Refer from* Coup d'état of 1851 (s); France — History — Second republic; France — History — Second empire

*Refer from* France — History — Coup d'état, 1851; Franco-German war

*Refer from* Commune, Paris (s); Paris — History — Siege and commune

*Refer from* Capuchins; Friars minor (s); Gray friars (s); Grey friars (s); Minorites (s); Monasticism; Religious orders

*Refer from* France — History — Second empire; France — History — Franco-German war (s); Germany — History — 1866-; Paris — History — Siege and commune; Sedan campaign

*Refer from* Postal service

*Refer from* France — History — To 1328; Germany — History — To 1517; Teutonic race

*Refer from* College fraternities (s); Colleges and universities; Greek letter societies (s); Hazing; Secret societies; Societies; Student life

*Refer from* Greek letter societies (s); High school fraternities (s); High schools; Secret societies; Societies

*Refer from* Crime and criminals; Imposture; Misrepresentation (s); Swindlers and swindling

*Refer from* Church polity; Churches (s)

*Refer from* Government; Liberty



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Free masons *see* Freemasons

**Free religion**

*See also* Free thought; Liberty of conscience

Free schools *see* Charity schools; Public schools

Free seed distribution *see* Seeds — Distribution

**Free soil party**

*See also* Slavery in the U. S.; U. S. — History — 1815-1861

Free speech *see* Liberty of speech

Free thinking *see* Free thought

**Free thought**

*See also* Agnosticism; Deism; Free religion; Rationalism; Religious liberty; Secularism; Skepticism

Free trade *see* Tariff question

Free will *see* Freedom of the will

Freebooters *see* Buccaneers; Filibusters; Pirates

**Freedmen**

*See also* Negroes; Reconstruction; Slavery

Freedom *see* Liberty; Slavery

Freedom of the press *see* Liberty of the press

**Freedom of the will**

*See also* Necessity; Predestination; Will

**Freemasons**

—**Templars**

*See also* Templars

Freezing *see* Cold; Frost; Ice; Plants, Effect of temperature on; Refrigeration and refrigerating machinery

**Freight**

*See also* Carriers; Demurrage; Railroads — Rates; Transportation

Freight rates *see* Freight. For railroad freight rates *see* Railroads — Rates

**French and Indian war, 1755-1763**

*See also* Indians — Wars; Pontiac's conspiracy; Seven years' war; U. S. — History — Colonial period

French-Canadian literature *see* Canadian literature

**French-Canadians**

*See also* Acadians; Canada — History — Rebellion, 1837-1838

**French drama**

*See also* Dramatists, French; French literature; Theater — France

**French essays**

*See also* French literature

*Refer from* Free thought; Religion; Religious liberty; Theology; Unitarianism

*Refer from* Political parties; Republican party; Slavery in the U. S.; U. S. — History — 1815-1861

*Refer from* Deism; Free religion; Free thinking (s); Rationalism; Religious liberty; Skepticism

*Refer from* Negroes; Reconstruction; Slavery; Slavery in the U. S.

*Refer from* Determinism (s); Ethics; Fate and fatalism; Free agency (s); Free will (s); Indeterminism (s); Liberty of the will (s); Necessity; Predestination; Psychology; Theology; Will

*Refer from* Anti-masonry (s); Free masons (s); Knights of the red cross (s); Masons (secret order) (s); Secret societies

*Refer from* Knights templars (masonic) (s); Order of the temple (s); Templars

*Refer from* Carriers; Commerce; Freight rates (s); Railroads; Railroads — Freight (s); Transportation; Waterways

*Refer from* Canada — History — To 1763; England — History — 1714-1837; France — History — Bourbons; French in America; Indians — Wars; New York (state) — History; Seven years' war; U. S. — History — Colonial period; U. S. — History — French and Indian war (s)

*Refer from* Canada — Social life and customs; Ethnology — Canada; French in America; National characteristics, Canadian

*Refer from* Dramatists, French; French literature; French poetry; Theater — France

*Refer from* Essays; French literature



**French fiction**

*See also* French literature

**French in America**

*See also* Canada — History — To 1763 (New France); French and Indian war; French-Canadians; Queen Anne's war; U. S. — History — Revolution — French participation

**French language** [subdivided like German language]

*See also* Commercial correspondence — French; Précieuses; Provençal language; Romance languages

**French literature**

*See also* Authors, French; Charlemagne — Romances; Encyclopedists; French drama; French essays; French fiction; French poetry; Précieuses; Provençal literature; Romance literature; Symbolism in literature  
French philosophy *see* Philosophy, French

**French poetry**

*See also* Fabliaux; French drama; French literature; Poets, French; Troubadours; Trouvères

**French revolution**

*See also* Chouans; Girondists; Jacobins; Napoleonic wars; Vendean war

**— Causes****— Personal narratives**

French salons *see* Salons

**French spoliation claims**

Fresco painting *see* Frescoes

**Frescoes**

*See also* Mural painting and decoration; Stencil work

**Fresh air charity**

Fresh air schools *see* Open-air schools

**Fresh-water fauna**

*See also* Aquariums; Fresh-water life; Insects, Aquatic

Fresh-water flora *see* Aquatic plants

**Fresh-water life**

*See also* Aquatic plants; Fresh-water fauna; Plankton

Fret cutting *see* Grilles; Lattice; Wood carving

Friars *see* Monasticism

Friars minor *see* Franciscans

Friars preachers *see* Dominicans

**Friction**

*See also* Bearings (machinery); Lubrication and lubricants

Friendly societies *see* Benefit societies

**Friendly visiting**

*See also* Charities

**Friends, Society of**

*Refer from* French literature

*Refer from* Canada — History — To 1763 (New France)

*Refer from* Langue d'oïl (s); Romance languages

*Refer from* Authors, French; French drama; French essays; French fiction; French poetry; Provençal literature; Romance literature

*Refer from* French literature; Poets, French

*Refer from* Directory, French (s); France — History — Revolution (s); Girondists; Jacobins; Reign of terror (s); Revolutions; Terror, Reign of (s); Vendean war

*Refer from* Claims; U. S. — Foreign relations — France; U. S. — History — 1783-1812

*Refer from* Art; Decoration and ornament; Fresco painting (s); House painting; Mural painting and decoration; Painting

*Refer from* Charities; Children — Charities, protection, etc.

*Refer from* Aquariums; Aquatic animals (s); Fresh-water life; Marine zoology; Zoology

*Refer from* Aquatic life (s); Aquatic plants; Brook life (s); Fresh-water fauna; Limnobiology (s); Plankton; Pond life (s); Ponds

*Refer from* Bearings (machinery); Lubrication and lubricants; Machinery; Mechanical engineering; Mechanics; Physics

*Refer from* Charities; Charity; Poor; Social settlements; Social work

*Refer from* Congregationalism; Dissenters; Nonresistance; Persecution; Puritans; Quakers (s); Sects; Society of Friends (s)



**Friendship**

*See also* Love; Sympathy

Froebel system of education *see* Kindergarten

**Frogs**

*See also* Amphibia; Toads

**Fronde**

*See also* France — History — Bourbons

**Frontier and pioneer life**

*See also* Colonial life and customs; Colonies and colonization; Cowboys; Indians — Captivities; Overland journeys to the Pacific; Ranch life; Western states

**Frontiers**

*See also* Boundaries

**Frost**

*See also* Cold; Frost protection; Ice; Plants, Effect of temperature on; Refrigeration and refrigerating machinery

**Frost protection****Fruit**

*See also* Berries; Canning and preserving; Fruit culture; Nuts; *also* names of fruits, e.g. Apple, Grape, Orange, Peach, Pear

**—Diseases and pests**

*See also* Fumigation of plants; Fungi; Insects, Injurious and beneficial; Plants — Diseases; Scale insects; Spraying; Trees — Diseases and pests; *also* names of diseases and pests, e.g. Crown gall, Codling moth

**—Evaporation****Fruit culture**

*See also* Agriculture; Frost protection; Fruit — Diseases and pests; Fumigation of plants; Fungicides; Gardening; Grafting; Nurseries (horticulture); Pruning; Spraying; *also* names of fruits

Fruit pests *see* Fruit — Diseases and pests

**Fuel**

*See also* Briquets; Calorimeters and calorimetry; Charcoal; Coal; Coke; Furnaces; Gas; Gas, Natural; Heating; Lignite; Liquid fuel; Peat; Petroleum; Smoke; Wood

**Fugitive slaves**

*See also* Maroons; Underground railroad (slavery)

**Fugue**

*See also* Canon (music); Musical form

**Fumigation**

*See also* Disinfection and disinfectants; Formaldehyde; Fumigation of plants

**Fumigation of plants**

*See also* Fruit — Diseases and pests

*Refer from* Affection (s); Conduct of life; Ethics; Love; Sympathy

*Refer from* Amphibia; Toads

*Refer from* France — History — Bourbons

*Refer from* Adventure; Border life (s); Colonies and colonization; Overland journeys to the Pacific; Pacific states; Pioneer life (s); Western states

*Refer from* Boundaries; International relations

*Refer from* Cold; Freezing (s); Meteorology; Water

*Refer from* Agriculture; Frost; Fruit culture; Gardening; Orchard heating (s); Protection from frost (s)

*Refer from* Agricultural products; Apple; Berries; Botany; Food; Grape; Orange; Orchards (s); Peach; Pear; Pomology (s); Small fruit (s); Trees

*Refer from* Agricultural pests; Bacteriology, Agricultural; Fruit culture; Fruit pests (s); Fumigation of plants; Fungi; Insects, Injurious and beneficial; Plants — Diseases; Spraying; Trees — Diseases and pests

*Refer from* Evaporation of fruit (s)

*Refer from* Agriculture; Arboriculture (s); Fruit; Gardening; Grafting; Horticulture (s); Orchards (s); Pomology (s); Pruning

*Refer from* Boilers; Briquets; Chemistry, Technical; Combustion; Engines; Fire; Furnaces; Heating; Home economics; Manufactures; Mechanical engineering; Smoke

*Refer from* Slavery in the U. S.; Underground railroad (slavery)

*Refer from* Canon (music); Composition (music); Counterpoint; Music; Music — Theory; Musical form

*Refer from* Contagion and contagious diseases; Disinfection and disinfectants; Formaldehyde; Smoke

*Refer from* Floriculture; Fruit — Diseases and pests; Fruit culture; Fumigation; Gardening



**Functions**

*See also* Calculus; Groups, Theory of

Funds *see* Finance; Sinking funds

**Funeral rites and ceremonies**

*See also* Burial; Funeral sermons; Indians  
— Mortuary customs; Mourning customs

**Funeral sermons**

*See also* Obituaries

**Fungi**

*See also* Bacteriology; Crown gall; Cryptogams; Dry rot; Fruit—Diseases and pests; Fungicides; Galls (botany); Mildew; Mold; Mushrooms; Plants—Diseases

**Fungicides**

*See also* Bordeaux mixture; Spraying

**Fur**

*See also* Fur-bearing animals; Fur trade; Hides and skins

**Fur-bearing animals:**

*See also* names of fur-bearing animals, e.g. Foxes, Seals (animals), Wolves  
Fur seals *see* Seals (animals)

**Fur trade**

*See also* Hudson Bay company; Trapping

**Furnaces**

*See also* Blast furnaces; Boilers; Cupola furnaces; Electric furnaces; Foundry work; Fuel; Mechanical draft; Metallurgy; Smelting

**Furniture**

*See also* Antiques; Bamboo; Beds; Cabinet work; Candlesticks; Chairs; Church furniture; Garden ornaments and furniture; House decoration; Lamps; Library fittings and supplies; Mirrors; School furniture and equipment; Upholstery; Veneers and veneering; Wood carving

**—Colonial**

Furs *see* Fur

Future *see* Forecasts; Fortune telling; Future life; Prophecies

**Future life**

*See also* Annihilation; Death; Eschatology; Eternity; Future punishment; Heaven; Hell; Judgment day; Millennium; Purgatory; Resurrection; Salvation; Soul; Spiritualism; Transmigration

**Future punishment**

*See also* Future life; Hell; Purgatory; Universalism

Future religion *see* Religion of the future

Fylfot *see* Swastika

*Refer from* Algebra; Analysis (mathematics) (s); Calculus; Elliptic functions (s); Logarithms

*Refer from* Archaeology; Burial; Christian antiquities; Death; Manners and customs; Mortuary customs (s); Rites and ceremonies

*Refer from* Funeral rites and ceremonies; Obituaries; Sermons

*Refer from* Agricultural pests; Cryptogams; Fruit—Diseases and pests; Microbes (s); Mildew; Mold; Mushrooms; Mycology (s); Parasites; Pests (s); Plants—Diseases

*Refer from* Bordeaux mixture; Fruit culture; Fungi; Germicides (s); Spraying

*Refer from* Animal products; Clothing; Furs (s); Hides and skins

*Refer from* Fur; Mammals; Zoology; Zoology, Economic

*Refer from* Canada—Commerce; Commerce; Fur; Hudson Bay company; Trapping

*Refer from* Fuel; Heating; Metallurgy; Smelting

*Refer from* Arts and crafts; Beds; Cabinet work; Chairs; Decoration and ornament; Home economics; House decoration; Industrial arts; Interior decoration (s); Manufactures; Upholstery; Wood carving

*Refer from* Colonial furniture (s); Colonial life and customs

*Refer from* Annihilation; Death; Eschatology; Eternal life (s); Eternity; Future (s); Future punishment; Hades (s); Heaven; Hell; Immortality (s); Intermediate state (s); Judgment day; Life; Man; Millennium; Natural religion; Philosophy; Probation (theology) (s); Purgatory; Religion; Resurrection; Retribution (s); Salvation; Soul; Theology; Universalism

*Refer from* Death; Endless punishment (s); Eschatology; Future life; Hell; Punishment; Purgatory; Retribution (s); Sin; Theology; Universalism





**Gables**

*See also* Roofs

Gadhelic literature *see* Celtic literature

Gadsden purchase

Gaelic language

*See also* Celtic languages; Irish language

**Gaelic literature**

*See also* Celtic literature; Irish literature (Celtic)

Gaels *see* Celts

**Gaging**

Galaxy *see* Milky way

Gales *see* Storms; Winds

Gallanty shows *see* Shadow pantomimes

Galleries (art) *see* Art — Galleries and museums; *also* special galleries

**Galleys**

**Gallic wars**

*See also* Gauls; Rome — History — Republic

Gallican church *see* Catholic church in France

**Galls (botany)**

*See also* Crown gall

Galvanic batteries *see* Electric batteries

Galvanism *see* Electricity

**Galvanizing**

*See also* Electroplating; Plating

**Galvanometer**

*See also* Electric measurement

Galvanoplasty *see* Electrometallurgy; Electroplating; Electrotyping

Galveston plan of city government *see* Municipal government — Commission plan

**Gambling**

*See also* Betting; Cards; Dice; Horse racing; Lotteries; Poker; Probabilities

**Game**

*See also* Game birds; Game laws; Game protection; Hunting; Shooting; Tracking; Trapping; *also* names of animals, e.g. Deer

**Game birds**

*See also* Falconry; Game; Shooting; *also* names of game birds, e.g. Ducks

**Game laws**

*See also* Game protection; Poaching

**Game protection**

*See also* Game laws

**Games**

*See also* Amusements; Athletics; Backgammon; Baseball; Basket-ball; Billiards; Bowling; Cards, and names of card games; Checkers; Chess; College athletics; Counting out; Cricket; Croquet; Curling; Dice; Dominoes; Football; Gambling; Golf; Handball; Hockey; Indians — Games; Kinder-

*Refer from* Architecture; Roofs

*Refer from* Arizona; New Mexico; U. S.— Annexations

*Refer from* Celtic languages; Erse (s); Irish language; Scottish language (s)

*Refer from* Celtic literature; Irish literature (Celtic); Scottish literature

*Refer from* Gauging (s); Mensuration; Weights and measures

*Refer from* Punishment; Ships; Slavery; Warships

*Refer from* Gauls; Rome — History — Republic

*Refer from* Botany — Physiology; Fungi; Plants — Diseases

*Refer from* Electrogalvanizing (s); Electroplating; Iron; Plating; Zinc

*Refer from* Electric apparatus and appliances; Electric measurement

*Refer from* Betting; Cards; Crime and criminals; Ethics; Games; Gaming (s); Sports

*Refer from* Big game (s); Game birds; Hunting; Shooting; Zoology

*Refer from* Birds; Ducks; Falconry; Game; Hunting; Shooting; Wild fowl (s)

*Refer from* Animals — Protection (s); Birds — Protection; Fishing; Game; Game protection; Hunting; Law; Poaching

*Refer from* Animals — Protection (s); Birds — Protection; Game; Game laws; Hunting; Protection of game (s)

*Refer from* Amusements; Athletics; Cards; Pastimes (s); Physical education; Play; Recreation (s); Sports



garten — Games and songs; Lacrosse; Olympic games; Ping-pong; Play; Polo; Rackets; School athletics; Solitaire; Sports; String figures; Tennis; Toys  
Gaming *see* Gambling  
Gaols *see* Prisons  
Garages

Garbage *see* Refuse and refuse disposal

**Garden cities**

*See also* Cities — Planning and laying out

Garden furniture *see* Garden ornaments and furniture

Garden of Eden *see* Eden

**Garden ornaments and furniture**

*See also* Concrete pottery; Rustic wood-work

**Gardening**

*See also* Acclimatization (plants); Agricultural pests; Agriculture; Botany; Electrohorticulture; Floriculture; Frost protection; Fruit culture; Fumigation of plants; Gardens; Grafting; Greenhouses; Insects, Injurious and beneficial; Landscape gardening; Lawns; Market gardening; Nurseries (horticulture); Plant breeding; Plant propagation; Pruning; School gardens; Seedlings; Seeds — Selection and testing; Shrubs; Spraying; Vacant lot cultivation; Vegetables; Weeds; Window gardening

**Gardens**

*See also* Botanical gardens; Garden ornaments and furniture; Gardening; Landscape gardening; School gardens; Water gardens

**Garment cutting** [for underwear, white goods, etc.]

*See also* Dressmaking; Tailoring

Garnishment *see* Attachment

**Garter, Order of the**

**Gas**

*See also* Acetylene; Chemistry, Technical; Coal-tar products; Gas and oil engines; Gas lighting; Gas producers; Gases; Incandescent gas-lighting; Petroleum

**—Natural**

*See also* Geology, Economic

**Gas and oil engines**

*See also* Alcohol motors; Gas producers; Heat engines; Liquid fuel

**Gas companies**

*See also* Gas lighting

Gas engines *see* Gas and oil engines

*Refer from* Architecture; Automobiles; Barns and stables

*Refer from* Cities; Cities — Planning and laying out; Housing problem; Industrial betterment; Municipal improvement

*Refer from* Furniture; Garden furniture (s); Gardens; Landscape gardening; Rustic wood-work

*Refer from* Agriculture; Botany; Country life; Farm life; Floriculture; Fruit culture; Gardens; Home economics; Horticulture (s); Industrial arts; Kitchen gardening (vegetables) (s); Landscape gardening; Market gardening; Planting (s); Plants; Plants, Cultivated; School gardens; Shrubs; Vegetable gardening (s); Vegetables

*Refer from* Botanical gardens; Flower gardens (s); Gardening; Landscape gardening

*Refer from* Clothing; Cutting (s); Dressmaking; Underwear

*Refer from* Knights and knighthood; Order of St. George (English) (s); Order of the Garter (s)

*Refer from* Chemistry, Organic; Chemistry, Technical; Coal; Coal gas (s); Coal-tar products; Fuel; Gas lighting; Gases; Illuminating gas (s); Lighting; Manufactures; Petroleum; Producer gas (s)

*Refer from* Fuel; Gas wells (s); Geology, Economic; Natural gas (s); Wells

*Refer from* Engines; Gas; Gas engines (s); Gas motors (s); Gas producers; Gasoline engines (s); Heat engines; Internal combustion engines (s); Kerosene engines (s); Liquid fuel; Marine engines; Motors; Oil engines (s); Petrol engines (s); Petroleum engines (s)

*Refer from* Gas lighting; Public service corporations



**Gas fitting**

*See also* Gas meters; Pipe fitting; Plumbing

**Gas lighting**

*See also* Acetylene; Electric gas lighting; Gas; Gas companies; Gas meters; Incandescent gas-lighting

Gas mantles *see* Incandescent gas-lighting

**Gas meters**

Gas motors *see* Gas and oil engines

**Gas producers**

*See also* Gas and oil engines

Gas wells *see* Gas, Natural

**Gases**

*See also* Acetylene; Aerodynamics; Air; Argon; Chemistry; Electric discharges through gases; Eudiometer; Fire damp; Gas; Helium; Ionization of gases; Liquefaction of gases; Nitrogen; Oxygen; Ozone; Viscosity

—Kinetic theory

**Gasoline**

Gasoline engines *see* Gas and oil engines

Gasoline launches *see* Motor boats

**Gasteropoda**

*See also* Mollusks

Gastronomy *see* Cookery; Dinners and dining;

Eating; Food

Gastropoda *see* Gasteropoda

**Gates**

*See also* Fences

Gauging *see* Gaging

**Gauls**

*See also* Celts; France — History — To 1328; Gallic wars

**Gazetteers**

*See also* Names, Geographical; *also* names of countries, subhead Description and travel — Gazetteers

**Gearing**

*See also* Machine design; Mechanical movements; Power transmission; Valves and valve gears

**Geese**

*See also* Poultry; Water birds

**Gelatin**

*See also* Glue; Physiological chemistry

**Gems**

*See also* Cameos; Diamonds; Glyptics; Intaglios; Jewelry; Precious stones

**Genealogy**

*See also* Biography; Estates, Unclaimed; Heraldry; Peerage; Precedence; Royal descent, Families of; Visitations, Heraldic; Vital records; Wills; *also* names of families, and names of countries and cities, subhead Genealogy

**Generals**

*See also* Military biography

Generation *see* Reproduction

*Refer from* Pipe fitting; Plumbing

*Refer from* Gas; Gas companies; Incandescent gas-lighting; Lighting

*Refer from* Gas fitting; Gas lighting; Meters (s)

*Refer from* Gas; Gas and oil engines; Producer gas (s)

*Refer from* Chemistry; Expansion (physics); Fluids; Gas; Mechanics; Physics; Pneumatics (s); Vapor (s)

*Refer from* Kinetic theory of gases (s)

*Refer from* Liquid fuel; Petrol (s); Petroleum

*Refer from* Gastropoda (s); Mollusks

*Refer from* Architecture; Doors; Fences

*Refer from* Celts; Ethnology — France; France — History — To 1328; Gallic wars

*Refer from* Geography; Geography — Dictionaries (s); Names, Geographical

*Refer from* Bevel gearing (s); Cog-wheels (s); Cogwheels (s); Machine design; Machinery; Mechanical movements; Power transmission; Spiral gearing (s)

*Refer from* Goose (s); Poultry; Water birds; Wild geese (s)

*Refer from* Animal products; Glue; Isinglass (s); Physiological chemistry

*Refer from* Archaeology; Art; Cameos; Decoration and ornament; Diamonds; Engraving; Glyptics; Intaglios; Jewelry; Lapidary work (s); Mineralogy; Precious stones

*Refer from* Ancestry (s); Biography; Descent (s); Families (s); Heraldry; History; History — Sources; Pedigrees (s)

*Refer from* Military biography



Generation, Spontaneous, *see* Spontaneous generation

Generators, Electric, *see* Dynamos

Geneva award *see* Alabama claims

**Genius**

*See also* Ability; Precocity; Talent

**Gentlemen**

*See also* Courtesy; Etiquet

**Geochemistry**

*See also* Mineral waters; Mineralogy; Ores; Rocks

**Geodes**

**Geodesy**

*See also* Astronomy, Spherical and practical; Azimuth; Earth — Figure; Geography, Mathematical; Latitude and longitude; Least squares; Pendulum; Surveying; *also* names of countries and states, subhead Surveys

Geodetic surveying *see* Surveying

Geognosy *see* Geology

**Geographical distribution of animals and plants**

*See also* Acclimatization (plants); Animals — Migration; Ecology; Plant introduction; Plants — Migration; Seeds — Dispersal

Geographical distribution of men *see* Anthropogeography

**Geographical myths**

Geographical names *see* Names, Geographical

Geographical pathology *see* Medical geography

**Geographical societies**

*See also* Alpine clubs

**Geography**

*See also* Antarctic regions; Anthropogeography; Arctic regions; Atlases; Boundaries; Commercial geography; Continents; Discoveries and explorations; Distances; Earth; Ethnology; Explorers; Gazetteers; Geographical myths; Geographical societies; Globes; Islands; Latitude and longitude; Map drawing; Maps; Medical geography; Names, Geographical; Physical geography; Surveying; Tropics; Views; Voyages and travels; *also* names of countries, subhead Description and travel

**—Ancient**

*See also* Bible — Geography; *also* names of countries of antiquity, subhead Description, geography

—Biblical, *see* Bible — Geography

—Commercial, *see* Commercial geography

—Dictionaries, *see* Gazetteers

—Economic, *see* Commercial geography

*Refer from* Ability; Heredity; Insanity; Intellect; Psychology; Talent

*Refer from* Conduct of life; Ethics; Etiquet; Men; Young men

*Refer from* Chemical geology (s); Chemistry; Earth; Geological chemistry (s); Geology, Chemical (s); Mineralogy; Ores; Physical geography; Rocks

*Refer from* Geology; Rocks

*Refer from* Astronomy; Degrees of latitude and longitude (s); Earth; Earth — Figure; Geography, Mathematical; Mathematics; Mensuration; Surveying; Triangulation (s); Trigonometry

*Refer from* Animals — Geographic distribution (s); Animals — Migration; Botany; Botany, Geographic (s); Distribution of animals and plants (s); Ecology; Physical geography; Phytogeography (s); Plant geography (s); Plants — Geographic distribution (s); Plants — Migration; Zoogeography (s); Zoology

*Refer from* Folklore; Geography; Geography — History; Imaginary islands (s); Islands, Imaginary (s)

*Refer from* Alpine clubs; Geography; Societies

*Refer from* Atlases; Earth; Physical geography; Science; Topography (s); Voyages and travels

*Refer from* Ancient geography (s); Classical geography (s); Geography, Historical; Geography — History; History, Ancient





## **Geography — Continued**

### **—Historical**

*See also* Geography, Ancient; Historical atlases

### **—History**

*See also* Discoveries and explorations; Geographical myths; Geography, Ancient

### **—Mathematical**

*See also* Astronomy; Geodesy; Latitude and longitude; Surveying; Topographical drawing

### **—Medical, *see* Medical geography**

### **—Physical, *see* Physical geography**

### **—Political, *see* Boundaries; *also* names of countries and states, subhead Boundaries**

### **—Social, *see* Anthropogeography**

### **—Study and teaching**

Geological chemistry *see* Geochemistry

### **Geological surveys**

### **Geologists**

*Refer from* Historical atlases; Historical geography (s); History

*Refer from* Discoveries and explorations

*Refer from* Astronomy; Geodesy; Latitude and longitude; Mathematical geography (s); Mathematics; Surveying

*Refer from* Geology; Surveys (s)

*Refer from* Scientists

## **Geology**

*See also* Alluvium; Beaches; Boulders; Coal; Concretions; Creation; Deluge; Dikes (geology); Drift; Earth; Earth — Age; Earthquakes; Erosion; Evolution; Geodes; Geological surveys; Geysers and hot springs; Glacial period; Glaciers; Igneous rocks; Landslides; Man — Origin and antiquity; Metals; Mineralogy; Moraines; Mountains; Ore deposits; Paleontology; Physical geography; Rocks; Sedimentation and deposition; Soils; Stone; Volcanoes

### **—Chemical, *see* Geochemistry**

### **—Economic**

*See also* Abrasives; Asbestos; Asphalt; Building stones; Cement; Chalk; Clay; Coal; Coal regions; Gas, Natural; Graphite; Gypsum; Metals; Mineral waters; Mines and mineral resources; Ore deposits; Ores; Peat; Petroleum; Phosphates; Quarries and quarrying; Salt; Soils; Stone; Sulphur

*Refer from* Alluvium; Concretions; Creation; Drift; Earth; Earth — Age; Earthquakes; Erosion; Geognosy (s); Geonomy (s); Glacial period; Man — Origin and antiquity; Mineralogy; Mountains; Natural history; Paleontology; Physical geography; Physical geology (s); Rocks; Science; Sedimentation and deposition; Volcanoes

*Refer from* Abrasives; Asbestos; Asphalt; Building stones; Cement; Chemical geology (s); Clay; Coal; Coal regions; Economic geology (s); Gas, Natural; Graphite; Gypsum; Metals; Mineral waters; Mines and mineral resources; Natural resources; Ore deposits; Ores; Peat; Petroleum; Phosphates; Salt; Sulphur

### **—Stratigraphic**

*See also* Paleontology

### **—Algonkian**

*Refer from* Stratigraphy (s)

*Refer from* Algonkian period (s); Geology, Stratigraphic — Proterozoic (s)

### **—Archaean**

*Refer from* Archaean period (s); Geology, Stratigraphic — Pre-Cambrian (s); Pre-Cambrian period (s)

### **—Cambrian**

*Refer from* Cambrian period (s); Geology, Stratigraphic — Paleozoic

### **—Carboniferous**

*Refer from* Carboniferous period (s); Geology, Stratigraphic — Paleozoic

### **—Cenozoic**

*See also* Geology, Stratigraphic — Quaternary; Geology, Stratigraphic — Tertiary

*Refer from* Cenozoic era (s)

### **—Cretaceous**

*Refer from* Cretaceous period (s); Geology, Stratigraphic — Mesozoic

### **—Devonian**

*Refer from* Devonian period (s); Geology, Stratigraphic — Paleozoic; Oriskany formation (s)

### **—Eocene**

*Refer from* Eocene period (s); Geology, Stratigraphic — Tertiary

### **—Glacial, *see* Glacial period**



**Geology—Stratigraphic—Continued**

**—Jurassic**

—Lower Silurian, *see* Geology, Stratigraphic—Ordovician

**—Mesozoic**

*See also* Geology, Stratigraphic—Cretaceous; Geology, Stratigraphic—Jurassic; Geology, Stratigraphic—Triassic

**—Miocene**

**—Ordovician**

**—Paleozoic**

*See also* Geology, Stratigraphic—Cambrian; Geology, Stratigraphic—Carboniferous; Geology, Stratigraphic—Devonian; Geology, Stratigraphic—Ordovician; Geology, Stratigraphic—Permian; Geology, Stratigraphic—Silurian

**—Permian**

—Pleistocene, *see* Glacial period

**—Pliocene**

—Pre-Cambrian, *see* Geology, Stratigraphic—Archaean

—Proterozoic, *see* Geology, Stratigraphic—Algonkian

**—Quaternary**

*See also* Glacial period

**—Silurian**

**—Tertiary**

*See also* Geology, Stratigraphic—Eocene; Geology, Stratigraphic—Miocene; Geology, Stratigraphic—Pliocene

**—Triassic**

**Geology—U. S.**

*See also* Paleontology—U. S.; Physical geography—U. S.

Geology and the Bible *see* Bible and science

**Geometrical drawing**

*See also* Geometry, Descriptive; Graphics; Mechanical drawing; Perspective; Projection

**Geometry**

*See also* Angles; Axioms; Circle; Circle-squaring; Conic sections; Curves; Fourth dimension; Geometrical drawing; Mathematics; Mensuration; Perspective; Porisms; Quaternions; Surfaces; Trigonometry

**—Analytic**

*See also* Conic sections; Curves; Surfaces

**—Descriptive**

*See also* Perspective; Projection; Shades and shadows; Stereotomy

*Refer from* Geology, Stratigraphic—Mesozoic; Jurassic period (s)

*Refer from* Mesozoic era (s)

*Refer from* Geology, Stratigraphic—Tertiary; Miocene period (s)

*Refer from* Geology, Stratigraphic—Lower Silurian (s); Geology, Stratigraphic—Paleozoic; Lower Silurian period (s); Ordovician period (s)

*Refer from* Paleozoic era (s)

*Refer from* Geology, Stratigraphic—Paleozoic; Permian period (s)

*Refer from* Geology, Stratigraphic—Tertiary; Pliocene period (s)

*Refer from* Geology, Stratigraphic—Cenozoic; Glacial period; Quaternary period (s)

*Refer from* Geology, Stratigraphic—Paleozoic; Silurian period (s)

*Refer from* Geology, Stratigraphic—Cenozoic; Tertiary period (s)

*Refer from* Geology, Stratigraphic—Mesozoic; Triassic period (s)

*Refer from* Paleontology—U. S.; Physical geography—U. S.; U. S.—Geology (s)

*Refer from* Drawing; Geometry; Graphics; Mathematical drawing (s); Mechanical drawing; Projection

*Refer from* Angles; Axioms; Circle; Circle-squaring; Mathematics; Plane geometry (s); Solid geometry (s); Stereography (s); Trigonometry

*Refer from* Analytical geometry (s); Conic sections; Coordinate geometry (s)

*Refer from* Descriptive geometry (s); Geometrical drawing; Projection; Shades and shadows



Geonomy *see* Geology; Physical geography  
**Germ theory of disease**  
*See also* Bacteriology

German (dance) *see* Cotillion  
**German-American literature**  
*See also* Germans in the U. S.

**German Baptist brethren**

German dictionaries *see* German language —  
Dictionaries

**German drama**

*See also* Dramatists, German; German  
literature; Theater — Germany  
German empire (Western empire) *see* Holy  
Roman empire

**German fiction**

*See also* German literature

German grammar *see* German language —  
Grammar

German Hebrew *see* Yiddish language

**German language**

*See also* Germanic languages

— **Accents**

— Antonyms *see* German language — Syn-  
onyms and antonyms

— **Composition**

— **Conversation and phrase books**

— **Dialects**

*See also* Low German language

— **Dictionaries**

— **Etymology**

— **Grammar**

— **History**

— **Idioms**

— Meter, *see* German language — Prosody

— Orthography, *see* German language —  
Spelling

— **Pronunciation**

— **Prosody**

— **Readers**

— **Spelling**

— **Study and teaching**

— **Synonyms and antonyms**

— Syntax, *see* German language — Grammar

**German literature**

*See also* Austrian literature; Authors,  
German; German-American literature; Ger-  
man drama; German fiction; German  
poetry; Parodies; Romances

German philosophy *see* Philosophy, German

**German poetry**

*See also* German literature; Meistersingers;  
Minnesingers; Poets, German

**German romances**

For medieval romances *see* Romances;  
for modern romances *see* German fiction

*Refer from* Bacilli (s); Bacteriology; Con-  
tagion and contagious diseases; Disease  
germs (s); Germs (s); Medicine; Pathology

*Refer from* American literature; German  
literature; Germans in the U. S.

*Refer from* Baptists; Dunkards (s); Dun-  
kers (s); Sects; Seventh-day Baptists; Tun-  
kards (s); Tunkers (s)

*Refer from* Dramatists, German; German  
literature; Theater — Germany

*Refer from* German literature; German  
romances (s)

*Refer from* Germanic languages

*Refer from* German dictionaries (s)

*Refer from* German grammar (s); German  
language — Syntax (s)

*Refer from* German language — Meter (s)

*Refer from* German language — Orthog-  
raphy (s)

*Refer from* German language — Anto-  
nyms (s)

*Refer from* Austrian literature; Authors,  
German; German drama; German fiction;  
German poetry

*Refer from* German literature; Meister-  
singers; Minnesingers; Poets, German

Cybernetics

- 12 Banks in Laos
- Banks in Bangkok
- (Central Bank)
- Credit
- Finance
- 12 Banks
- Reichsbank
- Savings Bank
- 12 Banks in Munich

**Germanic languages**

*See also* Anglo-Saxon language; Aryan languages; Danish language; Dutch language; English language; Flemish language; German language; Gothic language; Grimm's law; Icelandic language; Low German language; Norwegian language; Old Saxon language; Runes; Scandinavian languages; Swedish language

Germanic mythology *see* Mythology, Germanic

Germanic race *see* Teutonic race

**Germans in Pennsylvania**

*See also* Germans in the U. S.; Redemptioners; Schwenkfelders

**Germans in the U. S.**

*See also* German-American literature; Germans in Pennsylvania; U. S.—History — Revolution — German troops

**Germany — History**

*See also* Hanseatic league; Holy Roman empire; Prussia — History

**—— To 1517**

*See also* Franks; Goths

**—— 1517-1740**

*See also* Peasants' war; Reformation — Germany; Spanish succession, War of; Thirty years' war

**—— 1740-1815**

*See also* Austrian succession, War of; Napoleonic wars; Seven years' war

**—— 1815-1866**

*See also* Germany — History — Revolution, 1848-1849

**—— Revolution, 1848-1849****—— 1866-**

*See also* Franco-German war; Triple alliance, 1883-

Germicides *see* Disinfection and disinfectants; Fungicides

**Germination**

*See also* Botany — Physiology; Seeds

Germs *see* Bacteriology; Germ theory of disease

**Gerrymander****Gesso**

*See also* Arts and crafts

**Gesture**

*See also* Delsarte system; Elocution; Pantomime; Sign language

**Gettysburg, Battle of, 1863**

*See also* U. S.—History — Civil war

**Geysers and hot springs**

*See also* Springs

**Ghettoes**

*See also* Jews

Ghibellines *see* Guelfs and Ghibellines

**Ghost dance**

*See also* Indians — Dances

**Ghost stories**

*Refer from* Anglo-Saxon language; Aryan languages; Dutch language; English language; Flemish language; German language; Gothic language; Low German language; Old Saxon language; Scandinavian languages; Teutonic languages (s)

*Refer from* Germans in the U. S.; Pennsylvania Dutch (s); Pennsylvania Germans (s)

*Refer from* German-American literature; Germans in Pennsylvania; U. S.—Foreign population

*Refer from* Hanseatic league; Holy Roman empire; Prussia — History

*Refer from* Franks; Goths

*Refer from* Peasants' war; Reformation — Germany; Thirty years' war

*Refer from* Austrian succession, War of; Seven years' war

*Refer from* Germany — History — 1815-1866; Revolutions

*Refer from* Botany — Embryology; Botany — Physiology; Seeds

*Refer from* Elections; Elections — U. S.; Representative government and representation; U. S.—Politics

*Refer from* Arts and crafts; Mural painting and decoration; Plaster and plastering; Stucco

*Refer from* Acting; Elocution; Oratory; Pantomime

*Refer from* Battles; U. S.—History — Civil war — Campaigns and battles

*Refer from* Geology; Hot springs (s); Physical geography; Springs; Thermal springs (s)

*Refer from* Jewries (s); Jews

*Refer from* Indians — Dances

*Refer from* Ghosts



✓ 12.12.15

**Ghosts**

*See also* Apparitions; Demonology; Ghost stories; Illusions and hallucinations; Psychological research; Spiritualism; Superstition

**Giants****Gifts**

*See also* Charities; Christmas gifts; Philanthropy

Gifts (kindergarten) *see* Kindergarten

**Gilding**

*See also* Electroplating; Metal coloring

**Gilds**

*See also* Employers' associations; Labor unions; Livery; Neighborhood gilds; *also* names of cities, subhead Gilds

**Ginseng****Gipsies**

*See also* Nomads

Gypsy language *see* Romany language

**Gypsy moth****Girders**

*See also* Bridges; Building; Graphic statics; Roofs; Steel construction; Strains and stresses; Trusses

**Girls**

*See also* Child labor; Children; Coeducation; Education; Education of women; Girls' clubs; School children; Women; Young women; Youth

**Girls' clubs****Girondists**

*See also* French revolution

Giving *see* Charity; Gifts; Philanthropy

Glacial drift *see* Drift

**Glacial period**

*See also* Drift; Geology; Geology, Stratigraphic — Quaternary; Glaciers; Man — Origin and antiquity

**Glaciers**

*See also* Boulders; Drift; Erosion; Glacial period; Ice; Icebergs; Moraines; Physical geography

**Gladiators**

Gladness *see* Cheerfulness; Contentment; Happiness

**Glands**

*See also* Anatomy; Liver

**Glass**

*See also* Annealing; Glass flowers; Glass manufacture; Glazing; Stained glass; Windows

**—Ornamental**

*See also* Stained glass

**Glass flowers**

*Refer from* Apparitions; Folklore; Haunted houses (s); Illusions and hallucinations; Psychological research; Specters (s); Spectres (s); Spirits (s); Superstition

*Refer from* Man; Monsters

*Refer from* Bequests (s); Deeds; Ethics; Giving (s); Presents (s)

*Refer from* Goldsmithing; Metal coloring; Painting, Mechanical; Plating

*Refer from* Associations (s); Commerce; Corporations; Economics; Guilds (s); Labor and laboring classes; Labor organizations (s); Labor unions; Local government; Societies; Sociology; Workingmen's associations (s)

*Refer from* Agricultural products; Medical botany

*Refer from* Ethnology; Gypsies (s); Nomads; Vagabonds (s)

*Refer from* Gypsy moth (s); Moths; Trees — Diseases and pests

*Refer from* Beams (s); Bridges; Building; Graphic statics; Plate girders (s); Roofs; Steel construction; Strains and stresses; Strength of materials; Trusses

*Refer from* Children; Conduct of life; Women; Working girls (s); Young people (s); Young women; Youth

*Refer from* Clubs; Girls; Women's clubs

*Refer from* French revolution

*Refer from* Drift; Earth; Geology; Geology, Stratigraphic — Glacial (s); Geology, Stratigraphic — Pleistocene (s); Geology, Stratigraphic — Quaternary; Glaciers; Ice age (s); Man — Origin and antiquity; Pleistocene period (s)

*Refer from* Boulders; Drift; Erosion; Geology; Glacial period; Ice; Moraines; Physical geography; Water

*Refer from* Amphitheaters; Fighting (s); Rome — Social life and customs

*Refer from* Anatomy; Liver

*Refer from* Annealing; Arts and crafts; Building materials; Cut glass (s); Plate glass (s); Windows

*Refer from* Art glass (s); Stained glass

*Refer from* Artificial flowers; Flowers; Glass

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**Glass manufacture**

*See also* Chemistry, Technical; Mirrors; Optical instruments

Glass painting *see* Stained glass

Glassites *see* Sandemanians

**Glazing****Glees**

*See also* Choruses and part songs; Songs

Gliders *see* Aeroplanes

**Globes**

*See also* Astronomy

**Gloves**

*See also* Costume

**Glucose**

*See also* Chemistry, Technical

**Glue**

*See also* Adhesives; Bone products; Gelatin; Paste

**Glyptics**

*See also* Gems

Gnomes *see* Fairies

Gnomonics *see* Sundials

**Gnosticism****Goats**

*See also* Angora goats; Ungulata

**Gobelin tapestry**

Goblins *see* Fairies

**God**

*See also* Absolute, The; Agnosticism; Atheism; Bible; Causation; Christianity; Creation; Deism; Holy Spirit; Idolatry; Jesus Christ; Metaphysics; Monotheism; Mythology; Natural religion; Pantheism; Polytheism; Providence; Religion; Teleology; Theism; Theocracy; Theology; Trinity

**Gold**

*See also* Alchemy; Cyanide process; Gold (as money); Gold dredging; Gold mines and mining; Goldsmithing; Jewelry; Precious metals

**Gold (as money)**

*See also* Bimetallism; Coinage; Money

**Gold cure****Gold dredging**

*See also* Gold mines and mining

**Gold mines and mining**

*See also* Gold dredging; Hydraulic mining; Prospecting

Gold plate *see* Plate

Golden fleece *see* Argonauts

**Goldsmithing**

*See also* Arts and crafts; Gilding; Hall marks; Jewelry; Metal coloring; Plate

**Golf****Good Friday**

*See also* Lent

*Refer from* Chemistry, Technical; Glass; Industrial arts; Manufactures

*Refer from* Glass; Pottery

*Refer from* Choruses and part songs; Music; Songs

*Refer from* Astronomy; Earth; Geography; Maps

*Refer from* Costume; Hand

*Refer from* Chemistry, Technical; Sugar

*Refer from* Adhesives; Animal products; Bone products; Cement; Chemistry, Technical; Gelatin; Paste

*Refer from* Art; Carving (art industries); Engraving; Gems

*Refer from* Philosophy

*Refer from* Angora goats; Dairying; Domestic animals; Ungulata

*Refer from* Tapestry

*Refer from* Atheism; Bible; Christianity; Creation; Deism; Monotheism; Natural religion; Pantheism; Philosophy; Religion; Teleology; Theism; Theodicy (s); Theology; Trinity

*Refer from* Precious metals

*Refer from* Bimetallism; Coinage; Gold; Money; Specie (s)

*Refer from* Alcoholism; Inebriate asylums; Keeley cure (s); Therapeutics

*Refer from* Dredging; Gold; Gold mines and mining; Hydraulic mining; Placer mining (s)

*Refer from* Gold; Gold dredging; Hydraulic mining; Mines and mineral resources

*Refer from* Arts and crafts; Gold; Hall marks; Jewelry; Metal coloring; Metal work; Plate

*Refer from* Games

*Refer from* Christian year; Fasts and feasts; Holy week; Lent



**Goodness**

*See also* Virtue

**Goose** *see* Geese**Gorillas**

*See also* Apes

Gospels *see* Bible — New Testament — Gospels

**Gothenburg system**

*See also* Dispensary system

Gothic architecture *see* Architecture, Gothic

**Gothic language**

*See also* Germanic languages

**Goths**

*See also* Barbarian invasions of Rome; Germany — History — To 1517

**Gout****Government**

*See also* Anarchism and anarchists; Aristocracy; Ballot; Bureaucracy; Cabinet system; Charters; Church and state; Citizenship; Civil rights; Civil service; Civilization; Colonies and colonization; Communism; Constitutional history; Constitutional law; Constitutions; Crime and criminals; Democracy; Despotism; Diplomacy; Diplomatic and consular service; Divine right of kings; Economics; Education and state; Elections; Equality; Executive power; Federal government; Feudalism; Finance; Free institutions; Government ownership; Government regulation of industry; Home rule; Immigration and emigration; Impeachment; Imperial federation; Imperialism; Individualism; Law; Legislation; Legislative bodies; Liberalism; Liberty; Local government; Magistrates; Matriarchy; Military government; Monarchy; Municipal government; Nations; Nihilism; Nominations; Nullification; Oaths; Oligarchy; Paternalism; Patriarchy; Patriotism; Petition, Right of; Platforms, Political; Police; Police power; Political conventions; Political corruption; Political ethics; Political offenses; Political parties; Politics; Primaries; Prisons; Privileged classes; Property; Proportional representation; Punishment; Race problems; Railroads and state; Rebellion; Recall; Reciprocity; Referendum; Regency; Religious liberty; Representative government and representation; Republics; Revolutions; Riots; Secession; Serfdom; Slavery; Social contract; Socialism; Society, Primitive; Sociology; Sovereignty; State governments; State rights; Statesmen; Statistics; Suffrage; Taxation; Theocracy; Town meeting; Towns; Treaties; Tribes and tribal system; Tyranny; Utopias; Veto; Village communities; Villages; *also* names of countries and states, subheads Constitution, Government, and Politics, and names of cities, subhead Government and politics

Government banking *see* Banks and banking; Postal savings banks

*Refer from* Christian life and character; Ethics; Virtue

*Refer from* Apes; Monkeys; Primates

*Refer from* Dispensary system; Liquor laws; Liquor traffic

*Refer from* Germanic languages

*Refer from* Barbarian invasions of Rome; Germany — History — To 1517; Ostrogoths (s); Teutonic race; Visigoths (s)

*Refer from* Medicine — Practice

*Refer from* Administration (s); Aristocracy; Citizenship; Civics (s); Civil government (s); Constitutional law; Constitutions; Democracy; History; Law; Legislation; Monarchy; Political science (s); Politics; Republics; Science; Social science (s); Sociology; Sovereignty; State, The (s); Statesmanship (s)



Government by commission *see* Municipal government — Commission plan  
Government buildings *see* Public buildings  
Government officials *see* Civil service  
**Government ownership**

*See also* Government regulation of industry; Municipal ownership; Postal telegraph; Public service corporations; Railroads and state; Socialism

### **Government publications**

*See also* names of countries, subhead Government publications

### **Government regulation of industry**

*See also* Corporation law; Corporations; Factory laws; Government ownership; Interstate commerce; Labor laws; Municipal ownership; Paternalism; Police power; Public service commissions; Public service corporations; Railroad commissions; Railroads — Rates; Railroads and state; State rights; Trusts

### **Governors**

#### **Gowrie conspiracy, 1600**

*See also* Scotland — History

Graal *see* Grail

#### **Grace (theology)**

*See also* Justification

Grade crossings *see* Railroads — Crossings

Grading in schools *see* School grading and promotions

Graduated taxation *see* Taxation, Progressive

Graduation *see* Commencements

#### **Graft**

*See also* Bribery; Political corruption

#### **Grafting**

*See also* Fruit culture

#### **Grail**

*See also* Arthurian romances

#### **Grain**

*See also* Barley; Corn; Grain elevators; Oats; Rice; Seeds — Selection and testing; Wheat

#### **Grain elevators**

#### **Graining**

*See also* Painting, Mechanical; Stains and staining; Wood finishing

#### **Grammar**

*See also* Etymology; Grammar, English; Prosody; *also* names of languages other than English, e.g. German language — Grammar

*Refer from* Corporations; Economics; Federal ownership (s); Government; Government regulation of industry; Monopolies; Municipal ownership; National ownership (s); Nationalism (s); Paternalism; Postal telegraph; Public ownership (s); Public service corporations; Railroads — Government ownership (s); Railroads and state; Socialism; State ownership (s)

*Refer from* Documents (s); Official publications (s); Public documents (s); State publications (s)

*Refer from* Commerce; Economics; Federal regulation of industry (s); Government; Government ownership; Industry; Municipal ownership; Paternalism; Police power; Public service commissions; Public service corporations; Railroads and state; State regulation of industry (s)

*Refer from* Biography; U. S. — Biography; Statesmen

*Refer from* Scotland — History

*Refer from* Conversion; Justification; Salvation; Theology

*Refer from* Boss rule; Bribery; Crime and criminals; Political corruption; Political ethics

*Refer from* Forests and forestry; Fruit culture; Gardening; Plant propagation; Trees

*Refer from* Arthurian romances; Graal (s); Gréal (s); Holy grail (s); Legends; Sangreal (s)

*Refer from* Agricultural products; Barley; Breadstuffs (s); Cereals (s); Corn; Feeding and feeding stuffs; Flour and flour mills; Food; Oats; Threshing; Wheat

*Refer from* Architecture; Elevators, Grain (s); Grain; Warehouses

*Refer from* Painting, Mechanical; Stains and staining; Wood finishing; Woodwork

*Refer from* Accidence (s); Language; Syntax (s); Words





**Grammar**—Continued  
—English

**Grammar schools**

*See also* Education, Elementary

Gramophone *see* Phonograph

Grand jury *see* Jury

Grand opera *see* Opera

**Grange**

*Refer from* English grammar (s); English language; English language — Grammar (s); English language — Syntax (s); English syntax (s); Grammar

*Refer from* Education; Education, Elementary; Public schools; Schools

*Refer from* Agricultural societies; Commerce; Farmers; Patrons of husbandry (s); Secret societies

Grangerism *see* Extra illustration

**Granite**

*See also* Building stones; Rocks

*Refer from* Building stones; Igneous rocks; Stone; Rocks

**Grape**

*See also* Fruit; Wine

*Refer from* Fruit; Grapes (s); Vine (s); Vines (s); Vineyards (s); Viticulture (s); Wine

Grapes *see* Grape

Graphic arts *see* Art; Drawing; Engraving; Painting

**Graphic statics**

*See also* Bridges; Girders; Mechanical drawing; Roofs; Steel construction; Strains and stresses; Strength of materials

*Refer from* Bridges; Building; Girders; Graphics; Mechanical drawing; Mechanics; Roofs; Statics; Steel construction; Strains and stresses; Strength of materials

**Graphics**

*See also* Geometrical drawing; Graphic statics; Mechanical drawing

*Refer from* Drawing; Geometrical drawing; Mechanical drawing

**Graphite**

*See also* Geology, Economic

*Refer from* Black lead (s); Carbon; Geology, Economic; Plumbago (s)

**Graphology**

*See also* Penmanship; Writing

*Refer from* Character; Character reading (s); Handwriting (s); Penmanship; Psychology; Writing

Graphophone *see* Phonograph

Grass *see* Grasses

**Grasses**

*See also* Bamboo; Clover; Feeding and feeding stuffs; Forage plants; Grazing; Hay; Lawns; Pastures and meadows

*Refer from* Agrostology (s); Botany, Economic; Feeding and feeding stuffs; Forage plants; Grass (s); Hay; Herbage (s); Lawns; Pastures and meadows

Grasshoppers *see* Locusts

Grave mounds *see* Mounds and mound builders

Graves *see* Burial; Cemeteries; Mounds and mound builders; Tombs

Gravestones *see* Tombstones

Graveyards *see* Cemeteries

**Gravitation**

*See also* Astronomy; Matter; Pendulum; Physics; Potential, Theory of; Specific gravity; Weights and measures

*Refer from* Astronomy; Centrifugal force; Matter; Pendulum; Physics; Specific gravity; Weights and measures

Gray friars *see* Franciscans

**Grazing**

*See also* Forage plants; Pastures and meadows

*Refer from* Forage plants; Grasses; Live stock; Pastures and meadows; U. S.—Public lands

Gréal *see* Grail

Grease *see* Lubrication and lubricants; Oils and fats

**Great Lakes**

*Refer from* Lakes; U. S.—Commerce; Waterways — Canada; Waterways — U. S.



Great schism, 1378-1417, *see* Schism, The  
great western, 1378-1417

Greek architecture *see* Architecture, Greek

**Greek church**

*See also* Coptic church; Eastern churches

Greek civilization *see* Greece — Civilization;  
Hellenism

Greek culture *see* Hellenism

**Greek drama**

*See also* Dramatists, Greek; Greek literature; Theater — Greece

Greek empire *see* Byzantine empire

**Greek language** [subdivided like German language]

*See also* Aryan languages

**Greek language (modern)**

Greek letter societies *see* Fraternities, College;  
Fraternities, High school

**Greek literature**

*See also* Authors, Greek; Classical literature; Greek drama; Greek poetry; Hellenism; Satire, Greek

**Greek literature (modern)**

Greek mythology *see* Mythology, Classical

Greek philosophy *see* Philosophy, Greek

**Greek poetry**

*See also* Greek drama; Greek literature;  
Poets, Greek

Greek satire *see* Satire, Greek

**Greenbacks**

*See also* Legal tender; Money — U. S.;  
Paper money

**Greenhouses**

*See also* Market gardening

Greetings *see* Salutations

Gregorian calendar *see* Calendar

Gregorian chant *see* Chants

Gregorian music *see* Chants

Grey friars *see* Franciscans

**Grilles**

*See also* Ironwork; Lattice

**Grimm's law**

**Grinding and polishing**

*See also* Abrasives; Machine shop practice

Grippe *see* Influenza

Grist mills *see* Flour and flour mills

**Groceries**

**Grotesque**

*See also* Caricature and cartoons

Grottoes *see* Caves

Ground water *see* Water, Underground

Group plan for public buildings *see* Municipal  
centers

**Groups, Theory of**

*See also* Algebra; Crystallography

*Refer from* Catholic church; Eastern churches;  
Holy eastern church (s); Orthodox eastern  
church (s); Russian church (s)

*Refer from* Dramatists, Greek; Greek  
literature; Greek poetry; Theater — Greece

*Refer from* Aryan languages; Classical  
languages (s)

*Refer from* Romaic language (s)

*Refer from* Authors, Greek; Classical literature;  
Greek drama; Greek poetry; Satire,  
Greek

*Refer from* Romaic literature (s)

*Refer from* Greek literature; Poets, Greek

*Refer from* Fiat money (s); Legal tender;  
Money; Money — U. S.; Paper money

*Refer from* Agriculture; Architecture; Con-  
servatories (s); Floriculture; Gardening; Hot-  
houses (s); Market gardening; Winter garden-  
ing (s)

*Refer from* Architecture; Doors; Fret  
cutting (s); House decoration; Ironwork;  
Lattice; Windows

*Refer from* Germanic languages

*Refer from* Abrasives; Machine shop prac-  
tice; Machine tools; Polishing (s)

*Refer from* Food

*Refer from* Esthetics

*Refer from* Algebra; Equations; Functions;  
Mathematics; Numbers; Theory of groups (s)



## **Growth**

*See also* Regeneration (biology)

## **Guano**

*See also* Fertilizers and manures

## **Guaranties and sureties**

*See also* Bail; Bailments; Bonds; Commercial law

## **✓ Guaranty of bank deposits ~~see Banks and banking~~ Guaranty of deposits**

## **Guardians**

*See also* Administrators and executors; Adoption; Domestic relations; Probate law and practice; Trustees

## **Guelphs and Ghibellines**

*See also* Italy — History — To 1559

Guelphs *see* Guelphs and Ghibellines

Guerillas *see* Guerrillas

## **Guerrillas**

*See also* U. S. — History — Civil war

## **Guests**

*See also* Entertaining; Hospitality

Guide-books *see* names of countries and places, e.g. U. S.—Description and travel—Guidebooks

Guidebooks *see* names of countries and places, e.g. U. S.—Description and travel—Guidebooks

Guilds *see* Gilds

## **Guillotine**

## **Guitar**

*See also* Stringed instruments

Gulfs *see* Bays and gulfs

## **Gums and resins**

*See also* Chemistry, Technical; Varnish and varnishing

Gun *see* Guns

## **Guncotton**

*See also* Celluloid; Cellulose; Explosives; Gunpowder

## **Gunnery**

*See also* Ammunition; Artillery; Artillery drill and tactics; Ballistics; Explosives; Firearms; Gunpowder; Guns; Ordnance; Projectiles; Rifle practice; Shooting; Target practice

Gunning *see* Hunting; Shooting

## **Gunpowder**

*See also* Ammunition; Explosives; Guncotton

## **Gunpowder plot**

*See also* England — History — Stuarts

## **Guns**

*See also* Ammunition; Artillery; Bayonets; Firearms; Gunnery; Gunpowder; Naval guns; Ordnance; Pistols; Rifles; Shooting; Shotguns

*Refer from* Age; Biology; Development (s); Physiology

*Refer from* Fertilizers and manures

*Refer from* Bail; Bonding companies (s); Bonds; Commercial law; Contracts; Law; Sureties (s)

*Refer from* Adoption; Domestic relations; Inheritance; Law; Probate law and practice; Trustees; Wards (s); Wills

*Refer from* Ghibellines (s); Guelphs (s); Italy — History — To 1559

*Refer from* Guerrillas (s); International law; Military art and science; U. S.—History — Civil war; War

*Refer from* Entertaining; Etiquet; Home economics; Hospitality; Visiting (s)

*Refer from* Capital punishment

*Refer from* Musical instruments; Stringed instruments

*Refer from* Chemistry, Technical; Forest products; Resins (s); Rosin (s)

*Refer from* Celluloid; Cellulose; Explosives; Gunpowder

*Refer from* Artillery; Artillery drill and tactics; Ballistics; Firearms; Fortification; Guns; Military art and science; Naval art and science; Naval gunnery (s); Ordnance; Projectiles; Shooting; Target practice

*Refer from* Ammunition; Chemistry, Technical; Explosives; Firearms; Guncotton; Gunnery; Guns; Ordnance; Powder (s); Smokeless powder (s)

*Refer from* Catholic church in England; Conspiracies; England — History — Stuarts

*Refer from* Arms and armor; Cannon (s); Firearms; Gun (s); Gunnery; Hunting; Machine guns (s); Ordnance; Rifles; Shooting



**Gutta-percha**

*See also* Rubber

**Gymnasiums**

*See also* Gymnastics; Physical education

**Gymnastics**

*See also* Acrobats; Athletics; Drills and marches; Dumb-bells; Exercise; Gymnasiums; Indian clubs; Physical education

**—Medical**

*See also* Mechanotherapy; Physical education; Swedish movement cure

Gynecology *see* Women — Diseases

Gypsies *see* Gipsies

**Gypsum**

*See also* Geology, Economic

Gypsy language *see* Romany language

Gypsy moth *see* Gipsy moth

**Gyroscope**

*See also* Railroads — Single rail

**Habeas corpus**

*See also* Constitutional law; Martial law

**Habit**

*See also* Inhibition; Instinct; Left- and right-handedness; Psychology; Subconsciousness

Habitations, Human, *see* Architecture, Domestic; Housing problem

Habitations of animals *see* Animals — Habitations

Habits of animals *see* Animals — Habits and behavior

Hades *see* Future life; Hell

Haematology *see* Blood

**Hail****Hair**

*See also* Baldness; Hairdressing

Hair dressing *see* Hairdressing

**Hairdressing**

*See also* Costume; Fashion; Toilet

Half-tone process *see* Photo-engraving

**Hall marks**

*See also* Goldsmithing; Pewter; Plate; Silverware

**Hall of fame****Halloween**

Hallucinations *see* Illusions and hallucinations

**Hamites**

*See also* Berbers

**Hamitic languages**

*See also* African languages; Coptic language; Egyptian language

**Hand**

*See also* Ambidexterity; Anatomy; Finger prints; Gloves; Left- and right-handedness; Manicuring; Palmistry

*Refer from* Chemistry, Technical; Rubber

*Refer from* Gymnastics; Physical education

*Refer from* Acrobats; Athletics; Calisthenics (s); Callisthenics (s); Dumb-bells; Exercise; Gymnasiums; Hygiene; Indian clubs; Manly exercise (s); Physical education; Sports; Training; Turning (gymnastics) (s)

*Refer from* Mechanotherapy; Medical gymnastics (s); Movement cure (s); Physical education; Swedish movement cure; Therapeutic gymnastics (s); Therapeutics

*Refer from* Fertilizers and manures; Geology, Economic

*Refer from* Physics; Railroads — Single rail; Rotation

*Refer from* Arrest; Constitutional law; Law; Martial law

*Refer from* Conduct of life; Ethics; Inhibition; Instinct; Psychology

*Refer from* Meteorology; Storms; Water

*Refer from* Baldness; Beauty, Personal; Color of man; Head; Pathology

*Refer from* Coiffure (s); Costume; Fashion; Hair; Hair dressing (s); Toilet

*Refer from* Goldsmithing; Jewelry; Marks, Goldsmiths' (s); Plate; Plate marks (s); Silversmithing; Silverware

*Refer from* Fame; U. S.— Biography

*Refer from* All hallow eve (s); Fortune telling; Manners and customs; Superstition

*Refer from* Berbers; Ethnology; Ethnology — Africa

*Refer from* African languages; Coptic language; Egyptian language

*Refer from* Ambidexterity; Anatomy; Beauty, Personal; Fingers (s); Left- and right-handedness





Hand-ball *see* Handball  
Hand-railings *see* Railings  
**Handball**

*Refer from* Ball (s); Games; Hand-ball (s)

**Handicraft**

*See also* Arts and crafts; Domestic arts; Industrial arts; Manual training; Occupations

*Refer from* Arts and crafts; Crafts (s); Domestic arts; Industrial arts; Manual training; Occupations

Handrailings *see* Railings

Handwriting *see* Autographs; Graphology; Penmanship; Writing

Hanging *see* Capital punishment

Hanse towns *see* Hanseatic league

**Hanseatic league**

*See also* Germany — History; Middle ages — History; *also* names of towns in the league

*Refer from* Cities; Commerce; Germany — Commerce; Germany — History; Hanse towns (s); Middle ages — History

**Happiness**

*See also* Cheerfulness; Contentment; Hedonism; Joy; Optimism; Pleasure

*Refer from* Cheerfulness; Contentment; Ethics; Gladness (s); Hedonism; Joy; Pleasure

Harbor defense *see* Coast defense

**Harbors**

*See also* Breakwaters; Buoys; Civil engineering; Docks; Dredging; Jetties; Pilots and pilotage; Wharves; *also* names of cities, subhead Harbor

*Refer from* Civil engineering; Commerce; Docks; Engineering; Hydraulic engineering; Hydrography; Municipal improvement; Navigation; Ports (s); Transportation

Hard times *see* Business depression; Panics

**Hardness**

**Hardware**

*See also* Bolts and nuts; Cutlery; Files and rasps; Knives; Locks and keys; Metal work; Nails and spikes; Screws; Tools

*Refer from* Matter; Mineralogy

Hare *see* Hares

*Refer from* Building; Iron; Manufactures; Metal work; Metals

**Harem**

*See also* Turkey — Social life and customs

*Refer from* Polygamy; Seraglio (s); Turkey — Social life and customs; Women

**Hares**

*See also* Belgian hares; Coursing; Rabbits; Rodents

*Refer from* Belgian hares; Coursing; Hare (s); Rabbits; Rodents

Harlequins *see* Clowns

**Harmonists**

*See also* Economy, Pa.

*Refer from* Communism; Harmonites (s); Harmony society (s); Rappists (s); Sects

Harmonites *see* Harmonists

Harmonium *see* Reed organ

**Harmony**

*See also* Counterpoint; Melody; Modulation; Music — Theory

*Refer from* Composition (music); Melody; Modulation; Music; Music — Theory; Thorough bass (s)

Harmony of the Gospels *see* Bible — New Testament — Gospels — Harmonies

Harmony society *see* Harmonists

**Harness**

*See also* Checkreins

*Refer from* Checkreins; Horse; Leather; Manufactures; Saddlery (s)

**Harp**

*See also* Stringed instruments

*Refer from* Musical instruments; Stringed instruments

**Harpoons**

**Harpichord**

*See also* Musical instruments; Piano

*Refer from* Fishing; Whaling

*Refer from* Musical instruments; Piano; Stringed instruments

Harrowing *see* Tillage

Harvesters *see* Harvesting machinery

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**Harvesting machinery**

*See also* Farm implements and machinery;  
Mowing machines

Hasheesh *see* Hashish

**Hashish**

*See also* Hemp; Narcotics

**Hastings, Battle of**

*See also* England — History — Normans

**Hate**

*See also* Emotions

**Hats**

*See also* Costume; Headgear; Millinery

Haunted houses *see* Ghosts

Hawking *see* Falconry

**Hay**

*See also* Alfalfa; Clover; Feeding and feeding stuffs; Grasses; Pastures and meadows

Hay boxes *see* Fireless cookers

**Hay fever**

*See also* Catarrh; Respiratory organs — Diseases

Hay stoves *see* Fireless cookers

**Hazing**

*See also* Fraternities, College; Student life

**Head**

*See also* Anatomy; Baldness; Brain; Ear; Eye; Face; Hair; Headache; Mouth; Nose; Phrenology; Physiognomy; Skull

Head-gear *see* Headgear

**Head-hunters**

*See also* Dyaks; Formosa

**Headache****Headgear**

*See also* Costume; Hats; Helmets; Millinery

Headstones *see* Tombstones

Healing *see* Therapeutics

Healing, Mental, *see* Mental healing

Health *see* Hygiene

**Health boards**

*See also* Hygiene, Public

Health insurance *see* Insurance, Health

**Health resorts**

*See also* Climate; Mineral waters; Sanatoriums; Summer resorts; Winter resorts

Health thoughts *see* Mental healing

Healts, Drinking of, *see* Drinking customs; Toasts

**Hearing**

*See also* Deafness; Ear; Senses and sensation

**Heart**

*See also* Auscultation; Blood; Blood vessels; Sphygmograph

*Refer from* Binders (s); Farm implements and machinery; Harvesters (s); Reapers (s); Reaping machines (s)

*Refer from* Bhang (s); Hasheesh (s); Hemp; Narcotics

*Refer from* England — History — Normans

*Refer from* Emotions

*Refer from* Costume; Headgear; Manufactures; Millinery

*Refer from* Agricultural products; Feeding and feeding stuffs; Grasses; Pastures and meadows

*Refer from* Autumnal catarrh (s); Catarrh; Fever; Medicine — Practice; Respiratory organs — Diseases

*Refer from* Colleges and universities; Fraternities, College; Secret societies; Student life

*Refer from* Anatomy; Brain; Skull

*Refer from* Dyaks; Ethnology; Formosa; Malays

*Refer from* Head; Medicine — Practice; Nervous system — Diseases

*Refer from* Costume; Hats; Head-gear (s); Millinery

*Refer from* Boards of health (s); Hygiene, Public; Public health boards (s)

*Refer from* Climate; Hygiene; Invalids; Mineral waters; Resorts (s); Sanatoriums; Spas (s); Summer resorts; Watering places (s); Winter resorts

*Refer from* Acoustics (s); Audition (s); Deafness; Ear; Perception; Senses and sensation; Sound

*Refer from* Blood; Blood vessels; Chest; Vascular system



**Heat**

*See also* Animal heat; Boiling points; Calorimeters and calorimetry; Cold; Combustion; Earth — Temperature; Expansion (physics); Fire; Flame; Heating; Liquefaction of gases; Melting points; Physics; Pyrometers and pyrometry; Radiation; Steam; Sun; Temperature; Thermodynamics; Thermometer

**Heat engines**

*See also* Air engines; Gas and oil engines; Steam engines; Thermodynamics

Heathenism *see* Paganism

**Heating**

*See also* Boilers; Car heating, lighting and ventilation; Chimneys; Electric heating; Fireplaces; Fuel; Furnaces; Heat; Hot water heating; Steam heating; Stoves; Ventilation

**Heatstroke****Heaven**

*See also* Angels; Future life

Heavens *see* Astronomy

**Hebrew language**

*See also* Semitic languages; Yiddish language

**Hebrew literature**

*See also* Bible — Old Testament; Cabala; Hebrew poetry; Jewish literature; Oriental literature; Talmud; Yiddish literature

**Hebrew poetry**

*See also* Bible — Old Testament — Poetical books; Hebrew literature

Hebrews *see* Jews

**Hedges**

*See also* Evergreens; Landscape gardening; Shrubs

**Hedonism**

*See also* Egoism; Epicureans; Ethics; Happiness; Pleasure; Selfishness; Utilitarianism

Heights *see* Altitudes

Heirs *see* Inheritance

Helicopters *see* Flying machines

Heliochromy *see* Color photography

Heliogravure *see* Photogravure

**Heliometer**

*See also* Astronomical instruments; Parallax

**Heliostat**

*See also* Astronomical instruments

**Heliotropism**

*See also* Irritability; Plants — Movements

**Heliotype**

*See also* Collotype; Photomechanical processes

**Helium**

*See also* Radioactivity

**Hell**

*See also* Future life; Future punishment

*Refer from* Caloric (s); Cold; Combustion; Expansion (physics); Fire; Heating; Meteorology; Physics; Radiation; Steam engines; Temperature; Thermodynamics; Vibration

*Refer from* Engines; Gas and oil engines; Thermodynamics

*Refer from* Architecture; Architecture, Domestic; Building; Chimneys; Fire; Fuel; Heat; Home economics; Sanitary engineering; Sanitation, Household; Steam heating; Stoves; Ventilation; Warming (s)

*Refer from* Medicine — Practice; Sunstroke (s)

*Refer from* Death; Eschatology; Future life; Paradise (s); Theology

*Refer from* Jewish language (s); Jews — Language (s); Semitic languages

*Refer from* Hebrew poetry; Jewish literature; Jews — Literature (s); Oriental literature

*Refer from* Hebrew literature

*Refer from* Evergreens; Fences; Landscape gardening; Shrubs; Trees

*Refer from* Ethics; Happiness; Philosophy; Pleasure; Selfishness

*Refer from* Astronomical instruments

*Refer from* Astronomical instruments

*Refer from* Irritability; Light; Plants — Movements

*Refer from* Collotype; Photography; Photomechanical processes

*Refer from* Chemical elements; Gases; Radioactivity

*Refer from* Death; Eschatology; Future life; Future punishment; Hades (s); Retribution (s); Theology



**Hellenism**

*See also* Classicism; Neoplatonism

**Helmets**

Helminthology *see* Parasites; Worms

Hematology *see* Blood

Hemiplegia *see* Paralysis

**Hemiptera**

*See also* Chinch bugs; Cicadas; Insects;

Plant lice; Scale insects

**Hemorrhage**

*See also* Bloodletting

**Hemp**

*See also* Cordage; Fibers; Hashish; Jute;

Linen; Ramie; Rope

Hen *see* Poultry

Hen houses *see* Poultry houses

Hens *see* Poultry

Heraldic visitations *see* Visitations, Heraldic

**Heraldry**

*See also* Arms and armor; Chivalry; Decorations of honor; Devices; Emblems; Flags; Genealogy; Insignia; Knights and knighthood; Mottoes; Peerage; Precedence; Seals (numismatics); Titles of honor and nobility; Visitations, Heraldic

Herbage *see* Grasses

Herbs, Medicinal, *see* Medical botany

**Heredity**

*See also* Biology; Breeding; Consanguinity; Defectives; Degeneration; Eugenics; Evolution; Genius; Hybridization; Mendel's law; Natural selection; Physical deterioration; Plant breeding; Prenatal influences; Species; Variation (biology)

**Heresy**

*See also* Church history; Inquisition; Liberty of conscience; Martyrs; Persecution

**Hermaphroditism**

Hermeneutics *see* Bible — Criticism and interpretation

Hermetic art *see* Alchemy; Astrology; Occult sciences

**Hermits**

*See also* Asceticism

**Heroes**

*See also* Adventure; Courage; Discoveries and explorations; Explorers; Martyrs; Missionaries; Mythology; Saints

Heroines *see* Heroes

Heroism *see* Courage; Heroes

Herpetology *see* Reptiles

Herrnhuters *see* Moravians

Hertzian waves *see* Electric waves

**Hessian flies**

Hessians in the American revolution *see* U. S. —

History — Revolution — German troops

Hexateuch *see* Bible — Old Testament —

Hexateuch

*Refer from* Classicism; Greek culture (s); Greek civilization (s); Greek literature; Humanism

*Refer from* Arms and armor; Headgear

*Refer from* Bugs (s); Chinch bugs; Cicadas; Insects; Plant lice; Scale insects

*Refer from* Bleeding (s); Blood; Pathology; Wounds

*Refer from* Fibers; Hashish; Linen; Rope; Yarn

*Refer from* Archaeology; Arms, Coats of (s); Biography; Chivalry; Coats of arms (s); Crests (s); Decorations of honor; Devices; Genealogy; History; Knights and knighthood; Mottoes; Nobility (s); Pedigrees (s); Peerage; Titles of honor and nobility

*Refer from* Ancestry (s); Atavism (s); Biology; Breeding; Children; Crime and criminals; Degeneration; Descent (s); Environment; Eugenics; Evolution; Inheritance (biology) (s); Man; Natural selection; Parents; Physical deterioration; Physiology; Psychology; Transmission (biology) (s); Variation (biology); Zoology

*Refer from* Church history; Liberty of conscience; Theology

*Refer from* Biology; Sex

*Refer from* Asceticism; Biography; Christian biography; Monks (s); Solitude

*Refer from* Adventure; Biography; Courage; Heroines (s); Heroism (s); History

*Refer from* Diptera; Flies; Insects, Injurious and beneficial; Wheat





**Hibernation**

*See also* Animals — Habits and behavior

**Hides and skins**

*See also* Fur; Leather; Tanning

**Hieroglyphics**

*See also* Alphabet; Egyptian language; Inscriptions; Picture writing; Rosetta stone

**High buildings**

*See also* Elevators; Steel construction

High license *see* Liquor laws; Liquor traffic

High school athletics *see* School athletics

High school fraternities *see* Fraternities, High school

**High schools**

*See also* College entrance requirements; Commencements; Education, Secondary; Fraternities, High school; School athletics

High speed *see* Speed

High treason *see* Treason

Higher criticism *see* Bible — Criticism and interpretation

Higher education *see* Classical education; College education, Value of; Colleges and universities; Professional education; Technical education

Higher thought (new thought) *see* New thought

**Highlands of Scotland**

*See also* Clans; Tartans

Highwaymen *see* Brigands and robbers

Highways *see* Roads; Streets

Hindoos *see* Hindus

Hindoostance language *see* Hindustani language

**Hindu literature**

*See also* Oriental literature; Sanskrit literature; Vedas

Hindu philosophy *see* Philosophy, Hindu

**Hinduism**

*See also* Brahmanism; Buddhism; Caste; India — Religion; Jains; Philosophy, Hindu; Vedanta; Vedas; Yoga

**Hindus**

*See also* Aryans

**Hindustani language**

*See also* Indo-Aryan languages

Hippodrome *see* Circus

Hippology *see* Horse

Histochemistry *see* Physiological chemistry

**Histology**

*See also* Anatomy; Botany, Structural; Cells; Microscope and microscopy; *also* names of organs and tissues, e.g. Muscles

**Historians**

*See also* Archaeologists; Authors

**Historic houses**

*See also* Preservation of landmarks, scenery, etc.; *also* names of countries and cities, subhead Historic houses, etc.

*Refer from* Animals — Habits and behavior

*Refer from* Animal products; Fur; Leather; Skins (s); Tanning

*Refer from* Alphabet; Egyptian language; Inscriptions; Language; Picture writing; Writing

*Refer from* Architecture; Sky-scrapers (s); Skyscrapers (s); Steel construction; Tall buildings (s)

*Refer from* Education; Education, Secondary; Public schools; Schools; Secondary schools (s)

*Refer from* Clans; Scotland; Scottish highlands (s)

*Refer from* Oriental literature; Sanskrit literature

*Refer from* Brahmanism; Buddhism; India — Religion; Religions; Yoga

*Refer from* Aryans; Ethnology — India; Hindoos (s); India

*Refer from* Hindoostanee language (s); Indo-Aryan languages

*Refer from* Anatomy; Cells; Medicine; Microscope and microscopy; Microscopic anatomy (s); Morphology; Pathology; Tissues (s)

*Refer from* Archaeologists; Authors; Biography; History

*Refer from* History; Houses, Historic (s); Preservation of landmarks, scenery, etc.



Historic materialism *see* Economic determinism

Historic trees *see* Trees, Historic

**Historical atlases**

*See also* Geography, Historical

Historical dictionaries *see* History — Dictionaries

**Historical fiction** [for works about historical fiction]

For historical novels *see* subhead History — Fiction (or History — [period subdivision] — Fiction) under names of countries, cities, etc., and subhead Fiction under names of historical events and characters

Historical geography *see* Geography, Historical

**Historical societies**

*See also* Antiquarian societies

**History**

*See also* Anthropogeography; Anthropology; Archaeology; Autobiography; Battles; Biography; Boundaries; Chronology. Historical; Church history; Civilization; Colonies and colonization; Conspiracies; Constitutional history; Crusades; Diplomacy; Disasters; Discoveries and explorations; Ethnology; Famines; Finance; Floods; Genealogy; Geography, Historical; Government; Heraldry; Heroes; Historians; Historic houses; Historical atlases; Historical fiction; Historical societies; International relations; Kings and rulers; Man; Massacres; Medals; Middle ages — History; Migration of nations; Military history; Naval history; Numismatics; Progress; Race problems; Revolutions; Riots; Sieges; Slavery; Sociology; Statistics; Treaties; Trees, Historic; *also* names of countries, etc., subheads Antiquities, Foreign relations, History, and Politics. For the history of a special subject *see* its name

— **Ancient**

*See also* Archaeology; Bible — History; Civilization, Ancient; Classical dictionaries; Geography, Ancient; Inscriptions; Numismatics; Seven wonders of the world; *also* names of ancient races and peoples, and names of countries of antiquity

— Comic, *see* Comic histories

— Constitutional, *see* Constitutional history

— **Dictionaries**

— **Essays, addresses, etc.**

— Medieval, *see* Middle ages — History

— Military, *see* Military history

— **Modern**

*See also* Eastern question; Eighteenth century; Europe — History — 1492-1789; Europe — History — 1789-; Fifteenth century; Holy alliance; Nineteenth century; Reformation; Renaissance; Seventeenth century; Sixteenth century; Twentieth century

— Natural, *see* Natural history

— Naval, *see* Naval history

— **Philosophy**

*See also* Civilization; Economic determinism

*Refer from* Atlases; Geography, Historical; History

*Refer from* Fiction; Fiction, Historical (s); History

*Refer from* Antiquarian societies; History; Societies

*Refer from* Annals (s); Archaeology; Biography; Christendom (s); Chronology, Historical; Civilization; Man; Military history; Naval history; Science

*Refer from* Ancient history (s); Archaeology

*Refer from* Historical dictionaries (s)

*Refer from* Eighteenth century; Europe — History — 1492-1789; Europe — History — 1789-; Modern history (s); Nineteenth century; Seventeenth century; Sixteenth century

*Refer from* Civilization; Philosophy; Philosophy of history (s)

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✓ Holding Companies

## **History — Continued**

### **— Sources**

*See also* Archives; Charters; Diplomatic memoirs; Genealogy; Manuscripts

### **— Universal**

Histrionics *see* Acting; Theater

### **Hittites**

Hoaxes *see* Imposture

### **Hockey**

*See also* Winter sports

Hog *see* Swine

Hogs *see* Swine

### **Hoisting machinery**

*See also* Conveying machinery; Cranes, derricks, etc.; Electromagnets; Elevators; Mining machinery; Rope

### **Holidays**

*See also* Anniversaries; Arbor day; Bird day; Christmas; Fasts and feasts; Festivals; Flag day; Fourth of July; Memorial day; New Year; Patriots' day; Thanksgiving day; Vacations

Holiness *see* Sanctification

### **Holy alliance**

*See also* Europe — History — 1789-; Intervention

Holy days *see* Fasts and feasts

Holy eastern church *see* Greek church

Holy Ghost *see* Holy Spirit

Holy grail *see* Grail

Holy office *see* Inquisition

### **Holy Roman empire**

*See also* Germany — History; Middle ages — History

Holy Scriptures *see* Bible

Holy See *see* Catholic church; Popes

### **Holy sepulcher**

*See also* Jerusalem

### **Holy Spirit**

*See also* Trinity

### **Holy week**

*See also* Christian year; Easter; Fasts and feasts; Good Friday; Lent

### **Holy wells**

*See also* Shrines

### **Home**

*See also* Children; Family; Home economics; Marriage; Mothers; Women

Home decoration *see* House decoration

### **Home economics**

*See also* Apartment houses; Breakfasts; Carving (meat, etc.); Chemistry, Household; Cleanliness; Cookery; Cooperative housekeeping; Cost of living; Dairying; Diet; Dinners and dining; Domestic arts; Dress-making; Electricity in the home; Entertaining; Family; Fancy work; Fireless cookers; Food; Fuel; Furniture; Gardening; Guests; Heating; Home; House cleaning; House

*Refer from* Universal history (s)

*Refer from* Bible — Ethnology

*Refer from* Bandy (s); Games; Ice hockey (s); Winter sports

*Refer from* Conveying machinery; Cranes, derricks, etc.; Elevators; Lifts (s); Machinery; Mining machinery

*Refer from* Anniversaries; Celebrations (s); Christian year; Christmas; Days; Entertainments; Fasts and feasts; Festivals; Legal holidays (s); Manners and customs; National holidays (s); Vacations

*Refer from* Alliance, Holy (s); Austria — History; Europe — History — 1789-; History, Modern; International relations; Intervention; Prussia — History; Russia — History; Treaties

*Refer from* Europe — History; German empire (Western empire) (s); Germany — History; Middle ages — History; Western empire (s)

*Refer from* Jerusalem; Jesus Christ; Tombs

*Refer from* God; Holy Ghost (s); Spirit (s); Theology; Trinity

*Refer from* Christian year; Fasts and feasts; Lent

*Refer from* Miracles; Shrines; Wells

*Refer from* Children; Ethics; Family; Home economics; Mothers; Women

*Refer from* Cookery; Domestic arts; Domestic economy (s); Domestic science (s); Economics; Family; Home; Household economics (s); Household management (s); Household science (s); Housekeeping (s); Industrial arts; Kitchen; Women

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- decoration; Household pests; Kitchen; Kitchen garden (for teaching housekeeping); Laundry; Luncheons; Marketing; Menus; Needlework; Receipts; Sanitation, Household; Servants; Standard of living; Sweeping; Table; Ventilation
- Home education**  
*See also* Children; Correspondence schools and courses; Self-culture
- Home labor**  
*See also* Sweating system
- Home libraries**  
 Home missions *see* Missions, Home
- Home rule**
- Ireland**  
*See also* Fenians (society); Ireland — Government
- Home training *see* Children — Management; Home education
- Homeopathy**  
*See also* Medicine, and references under that subject
- Homes (institutions) *see* Almshouses; Asylums; Charities; Homes for the aged; *also* names of cities, subheads Hospitals and asylums and Charities; and special classes of people, e.g. Blind — Asylums and education; Orphans and orphan asylums, Soldiers' homes
- Homes for the aged**  
*See also* Soldiers' homes
- Homestead law**
- Homicide *see* Murder
- Homiletical illustrations *see* Anecdotes, Religious
- Homiletics *see* Preaching; Sermons
- Homilies *see* Sermons
- Homing pigeons *see* Pigeons
- Homoeopathy *see* Homeopathy
- Honesty**  
*See also* Business ethics; Sincerity
- Honey**  
*See also* Bees
- Honor**  
*See also* Business ethics; Dueling
- Honor system *see* Self-government (in education)
- Honorary degrees *see* Degrees, Academic
- Honorary titles *see* Titles of honor and nobility
- Hoods, Academic, *see* Costume, Academic
- Hookworm disease**
- Hornbooks**
- Horns**
- Horology *see* Clocks and watches; Timekeepers
- Horoscopes *see* Astrology
- Refer from* Children; Children — Education (s); Domestic education (s); Education; Education, Elementary; Education of children (s); Family; Home training (s); Parents
- Refer from* Industry; Labor and laboring classes; Sweating system; Women — Employment
- Refer from* Libraries; Libraries, Home (s)
- Refer from* Government; Local government; Self-government (s)
- Refer from* Fenians (society); Ireland — Government
- Refer from* Homoeopathy (s); Medicine; Pharmacy; Therapeutics
- Refer from* Aged poor (s); Asylums; Homes (institutions) (s); Old age; Old age homes (s); Old ladies' homes (s); Poor
- Refer from* Land tenure — U. S.; U. S. — Public lands
- Refer from* Business ethics; Conduct of life; Dishonesty (s); Ethics; Sincerity; Truth
- Refer from* Bees
- Refer from* Business ethics; Chivalry; Dueling; Ethics
- Refer from* Medicine — Practice; Parasites
- Refer from* Literature; Primers
- Refer from* Antlers (s); Cattle; Cows; Dehorning of cattle (s); Zoology





**Horse**

*See also* Barns and stables; Checkreins; Domestic animals; Driving; Harness; Horse racing; Horse training; Horsemanship; Horseshoeing; Live stock; Pack transportation; Ungulata; Veterinary medicine

Horse-breaking *see* Horse training

**Horse racing**

Horse railroads *see* Street railroads

**Horse training**

*See also* Horsemanship

Horseless carriages *see* Automobiles

**Horsemanship**

*See also* Coaches and coaching; Driving; Hunting; Polo

Horses *see* Horse

**Horseshoeing**

*See also* Blacksmithing

Horticulture *see* Floriculture; Fruit culture; Gardening

**Hosiery****Hospitality**

*See also* Entertaining; Guests

Hospitaliers *see* Malta, Knights of

**Hospitals**

*See also* Ambulances; Asylums; Charities; Convalescent homes; Dispensaries; First aid in illness and injury; Hospitals, Military; Hospitals, Naval and marine; Inebriate asylums; Insane hospitals; Nurses and nursing; Sanatoriums; *also* names of cities and countries, subhead Hospitals and asylums

**—Military**

*See also* Battlefield relief; Red cross; *also* names of wars, subhead Medical and sanitary affairs

**—Naval and marine**

Hot-air engines *see* Air engines

Hot springs *see* Geysers and hot springs

**Hot water heating****Hotels**

*See also* Apartment houses; Coffeehouses; Inns; Lodging houses; Restaurants

Hothouses *see* Greenhouses

**Hottentots**

*See also* Bushmen

**Hours of labor**

*See also* Child labor; Daylight saving; Women — Employment; Sweating system

**House boats**

*Refer from* Barns and stables; Cavalry; Cavalry drill and tactics; Domestic animals; Driving; Farriery (s); Hippology (s); Horses (s); Live stock; Pacing (s); Pedigrees (s); Race horses (s); Trotting (s); Ungulata; Veterinary medicine

*Refer from* Book-making (betting) (s); Book-making (betting) (s); Gambling; Horse; Pacing (s); Race horses (s); Racing (s); Sports; Steeplechasing (s); Trotting (s); Turf, The (s)

*Refer from* Animals — Training; Horse; Horse-breaking (s); Training

*Refer from* Driving; Equestrianism (s); Horse; Horse training; Locomotion; Riding (s); Sports

*Refer from* Blacksmithing; Farriery (s); Horse

*Refer from* Clothing; Costume; Dry goods; Foot; Stockings (s); Textile industry and fabrics; Underwear

*Refer from* Guests

*Refer from* Architecture; Asylums; Charities; Charities, Medical; Dispensaries; Hygiene, Public; Infirmarys (s); Institutions, Charitable and philanthropic (s); Medicine; Nurses and nursing

*Refer from* Battlefield relief; Field hospitals (s); Hospitals; Military art and science; Military hospitals (s)

*Refer from* Hospitals; Marine hospitals (s); Naval hospitals (s)

*Refer from* Heating; Steam heating; Water heating (s)

*Refer from* Architecture; Inns; Lodging houses; Restaurants; Taverns (s)

*Refer from* Ethnology — Africa

*Refer from* Child labor; Eight-hour day (s); Factory laws; Factory system; Industrial betterment; Labor and laboring classes; Labor laws; Ten-hour day (s); Working-day (s)

*Refer from* Boats and boating; Houseboats (s); Outdoor life



**House cleaning**

*See also* Dust; Sweeping; Vacuum cleaning systems

**House decoration**

*See also* Bric-a-brac; Candlesticks; Carpets; Decoration and ornament; Drapery; Fancy work; Fireplaces; Floral decoration; Furniture; Grilles; Lattice; Mantels; Mural painting and decoration; Picture frames; Pictures; Rugs; School decoration; Tapestry; Upholstery; Wall paper; Wood finishing; Woodwork

House drainage *see* Plumbing; Sanitation, Household; Sewerage

House flies *see* Flies

**House painting**

*See also* Frescoes; Mural painting and decoration; Painting, Mechanical

House plans *see* Architectural drawing; Architecture, Domestic

House plants *see* Floriculture; Plants, Cultivated; Window gardening

House rent *see* Rent

House sanitation *see* Sanitation, Household

Houseboats *see* House boats

Household arts *see* Domestic arts

Household chemistry *see* Chemistry, Household

Household decoration *see* House decoration

Household economics *see* Home economics

Household expenses *see* Cost of living

Household management *see* Home economics

**Household pests**

*See also* Flies; Insects, Injurious and beneficial; Mice; Mosquitoes; Rats

Household sanitation *see* Sanitation, Household

Household science *see* Home economics

Housekeeping *see* Cooperative housekeeping; Home economics

Housemaids *see* Servants

Houses *see* Architecture, Domestic; House decoration

Houses, Historic, *see* Historic houses

**Housing problem**

*See also* Apartment houses; Cities — Planning and laying out; Garden cities; Industrial betterment; Lodging houses; Sanitation, Household; Tenement houses

Hucksters *see* Peddlers and peddling

**Hudson Bay company**

*See also* Fur trade

**Huguenots**

*See also* Camisards; France — Religious history; Reformation — France; St. Bartholomew's day, Massacre of; Waldenses

Human anatomy *see* Anatomy

Human body *see* Anatomy; Anthropometry; Physiology

*Refer from* Cleaning; Dust; Home economics; Sanitation, Household

*Refer from* Architecture, Domestic; Art; Carpets; Decoration and ornament; Furniture; Home decoration (s); Home economics; Household decoration (s); Houses (s); Interior decoration (s); Rugs; Upholstery

*Refer from* Architecture; Architecture, Domestic; Building; Mural painting and decoration; Painting, Mechanical

*Refer from* Home economics; Insects, Injurious and beneficial; Pests (s)

*Refer from* Architecture, Domestic; Cities; Cities — Planning and laying out; Dwellings (s); Habitations, Human (s); Hygiene, Public; Industrial betterment; Labor and laboring classes; Laborer's dwellings (s); Municipal improvement; Poor; Social problems; Tenement houses; Workingmen's dwellings (s)

*Refer from* Canada — Commerce; Fur trade; Trading companies

*Refer from* Camisards; Church history; France — History — House of Valois; France — Religious history; Persecution; Reformation — France; St. Bartholomew's day, Massacre of; Sects; Waldenses



Human faculties *see* Psychology  
Human figure in art *see* Anatomy, Artistic;  
Figure drawing; Figure painting; Nude in  
art

Human race *see* Anthropology; Man

Human sacrifice *see* Sacrifice

**Humane societies**

*See also* Animals — Treatment; Charitable societies; Children — Charities, protection, etc.

*Refer from* Animals — Treatment; Charitable societies; Children — Charities, protection, etc.; Societies

**Humanism**

*See also* Classical education; Hellenism; Renaissance

Humanitarianism (theology) *see* Unitarianism;  
*also* Arianism; Jesus Christ — Divinity;  
Socinianism; Trinity

Humanities *see* Classical education

Humbug *see* Imposture; Swindlers and swindling

*Refer from* Classical education; Culture, Literature; Philosophy; Renaissance

**Humidity**

*See also* Dampness in buildings; Dew; Hygrometry; Meteorology

*Refer from* Air; Dew; Hygiene; Meteorology; Moisture of the air (s)

**Humor**

*See also* Anecdotes; Burlesques; Caricature and cartoons; Comedy; Comic histories; Epigrams; Fools; Humorists; Irony; Laughter; Limericks; Macaronic verse; Nonsense verse; Parodies; Punning; Recitations and readings, Humorous; Satire; Table-talk

*Refer from* Anecdotes; Caricature and cartoons; Comic literature (s); Facetiæ (s); Jest (s); Jokes (s); Laughter; Literature; Poetry; Punning; Satire; Wit and humor (s)

—**American**

*See also* American literature; Satire, American

*Refer from* American humor (s); American literature; American wit and humor (s)

—**English**

*See also* English literature; Satire, English

*Refer from* English humor (s); English literature; English wit and humor (s)

**Humorists**

*See also* Authors

Humorous recitations *see* Recitations and readings, Humorous

*Refer from* Authors; Biography; Humor

**Hundred years' war, 1339-1453**

*See also* Agincourt, Battle of; England — History — Plantagenets; England — History — Lancaster and York; France — History — House of Valois

*Refer from* Agincourt, Battle of; England — History — Plantagenets; England — History — Lancaster and York; France — History — House of Valois

**Hungarian language**

*See also* Ural-Altaic languages

*Refer from* Magyar language (s); Ural-Altaic languages

**Hungarian literature**

*Refer from* Magyar literature (s)

**Hungarians in the U. S.**

**Huns**

*See also* Barbarian invasions of Rome

*Refer from* U. S. — Foreign population

**Hunting**

*See also* Bears; Coursing; Deer; Dogs; Elephants; Falconry; Fishing; Foxes; Game; Game birds; Game laws; Game protection; Guns; Lions; Poaching; Shooting; Sports; Tigers; Tracking; Trapping

*Refer from* Barbarian invasions of Rome

*Refer from* Adventure; Animals; Big game (s); Chase, The (s); Country life; Field sports (s); Game; Gunning (s); Horsemanship; Outdoor life; Shooting; Sports; Trapping

**Hurricanes**

*See also* Cyclones; Storms

*Refer from* Cyclones; Meteorology; Storms; Winds

Husband and wife *see* Domestic relations;

Husbands; Marriage; Wives

Husbandry *see* Agriculture



**Husbands**

*See also* Domestic relations; Family; Fathers; Marriage; Wives

**Hussites**

Hybridism *see* Hybridization

**Hybridization**

*See also* Mendel's law; Plant breeding

Hydraulic cement *see* Cement

**Hydraulic engineering**

*See also* Aqueducts; Artesian wells; Boring; Breakwaters; Bridges — Foundations and piers; Caissons; Canals; Cofferdams; Culverts; Dams; Docks; Drainage; Dredging; Embankments; Engineering; Floods; Fluids; Fountains; Harbors; Hydraulic machinery; Hydraulic mining; Hydraulics; Hydrodynamics; Hydro-electric plants; Irrigation; Jetties; Lighthouses; Mining engineering; Pumping stations; Pumps; Reclamation of land; Reservoirs; Rivers; Sea walls; Turbines; Water; Water power; Water supply; Water wheels; Wells; Wharves

**Hydraulic machinery**

*See also* Hydraulic engineering; Hydraulic motors; Hydraulic rams; Pumps; Turbines; Water wheels

**Hydraulic mining**

*See also* Gold dredging; Gold mines and mining; Mines and mineral resources

**Hydraulic motors**

*See also* Hydraulic machinery; Turbines; Water wheels

Hydraulic power *see* Hydraulic machinery; Hydro-electric plants; Water power

**Hydraulic rams**

*See also* Hydraulic machinery

**Hydraulics**

*See also* Fluids; Hydraulic engineering; Hydraulic machinery; Hydrodynamics; Hydrometer; Hydrostatics; Jets; Liquids; Mechanics; Physics; Rivers; Water; Water power

**Hydrodynamics**

*See also* Hydraulic engineering; Hydraulics; Hydrostatics; Jets; Mechanics; Viscosity; Waves

**Hydro-electric plants**

*See also* Electric power transmission

**Hydrography**

*See also* Charts; Harbors; Inland navigation; Navigation; Ocean; Ocean currents; Rivers; Sounding and soundings; Tides

Hydrokinetics *see* Hydrodynamics

*Refer from* Domestic relations; Family; Husband and wife (s); Marriage; Men; Wives

*Refer from* Reformation; Sects

*Refer from* Biology; Botany; Breeding; Heredity; Hybridism (s); Mendel's law; Plant breeding; Species

*Refer from* Canals; Civil engineering; Dams; Engineering; Engineering, Hydraulic (s); Fluids; Hydraulic machinery; Hydraulics; Hydrodynamics; Machinery; Mechanical engineering; Rivers; Water; Water power; Water supply

*Refer from* Hydraulic engineering; Hydraulic motors; Hydraulic power (s); Hydraulic rams; Hydraulics; Machinery; Water power

*Refer from* Gold mines and mining; Hydraulic engineering; Mines and mineral resources; Mining engineering; Placer mining (s)

*Refer from* Hydraulic machinery; Motors; Turbines; Water power; Water wheels

*Refer from* Hydraulic machinery; Rams, Hydraulic (s)

*Refer from* Flow of water (s); Fluids; Hydraulic engineering; Hydrodynamics; Hydromechanics (s); Hydrostatics; Jets; Mechanics; Physics; Rivers; Water; Water flow (s)

*Refer from* Dynamics; Fluids; Hydraulic engineering; Hydraulics; Hydrokinetics (s); Hydromechanics (s); Jets; Liquids; Mechanics; Viscosity

*Refer from* Electric engineering; Electric power transmission; Flumes; Hydraulic engineering; Hydraulic power (s); Power plants; Power plants, Electric; Water power; Water-power electric plants (s)

*Refer from* Marine surveying (s); Maritime surveying (s); Nautical surveying (s); Navigation; Ocean; Oceanography (s); Physical geography; Rivers; Surveying; Thalassography (s)





Hydrology *see* Water; Water, Underground  
Hydromechanics *see* Hydraulics; Hydrodynamics

**Hydrometer**

Hydropathy *see* Hydrotherapy

**Hydrophobia**

*See also* Dogs; Pasteurism

**Hydrostatics**

*See also* Capillarity; Compressibility; Fluids; Hydraulics; Hydrometer; Mechanics; Physics; Specific gravity; Water

**Hydrotherapy**

*See also* Baths and bathing; Mineral waters

**Hygiene**

*See also* Air pollution; Alcohol — Physiological effects; Baths and bathing; Beauty, Personal; Bible — Medicine, hygiene, etc.; Children — Care and hygiene; Cleanliness; Climate; Clothing; Diet; Disinfection and disinfectants; Dress reform; Dust; Exercise; Fatigue; Food; Food adulteration and inspection; Gymnastics; Health resorts; Humidity; Hygiene, Public; Invalids; Longevity; Medical inspection of schools; Medicine; Mental hygiene; Military hygiene; Mind and body; Narcotic habit; Narcotics; Naval hygiene; Nurses and nursing; Occupations — Diseases and hygiene; Open-air schools; Overwork; Pathology; Physical education; Physiology; Rest; Sanitation; School hygiene; Sleep; Stimulants; Temperance; Therapeutics; Tobacco — Physiological effects; Training; Tropics — Diseases and hygiene; Vacations; Ventilation; Voice; Water pollution; Women — Hygiene; Work

—Domestic, *see* Sanitation, Household

—Industrial, *see* Occupations — Diseases and hygiene

—Mental, *see* Mental hygiene

—Military, *see* Military hygiene

—Naval, *see* Naval hygiene

—Public

*See also* Adulterations; Building laws; Burial; Cemeteries; Consumers' leagues; Contagion and contagious diseases; Cremation; Disinfection and disinfectants; Epidemics; Food adulteration and inspection; Health boards; Hospitals; Housing problem; Immunity; Inoculation; Insects as carriers of contagion; Malaria; Meat inspection; Medical inspection of schools; Military hygiene; Milk supply; Nuisances; Occupations — Diseases and hygiene; Public comfort stations; Quarantine; Refuse and refuse disposal; Sanitary engineering; Sanitation; School hygiene; Sewage; Slaughtering and slaughterhouses; Street cleaning; Tenement houses; Vaccination; Water pollution; Water supply; *also* names of countries and states, subhead Sanitary affairs, and names of

*Refer from* Areometer (s); Hydraulics; Hydrostatics; Specific gravity

*Refer from* Dogs; Medicine — Practice; Rabies (s)

*Refer from* Capillarity; Fluids; Hydraulics; Hydrodynamics; Liquids; Mechanics; Physics; Statics; Water

*Refer from* Baths and bathing; Hydropathy (s); Kneipp cure (s); Therapeutics; Water cure (s)

*Refer from* Biology; Food; Health (s); Life; Man; Medicine; Pathology; Physiology; Sanitary science (s); Sanitation; Women — Hygiene

*Refer from* Health boards; Hygiene; Medicine; Municipal improvement; Public health (s); Quarantine; Sanitary affairs (s); Sanitary engineering; Sanitation; Social problems

the 1990s, the number of people in the world who are under 15 years of age is expected to increase by 1.5 billion (United Nations 1994).

There is a growing awareness of the need to address the needs of children in the world, and the United Nations has developed a series of goals for the 21st century. The first goal is to 'achieve universal primary education' by the year 2015. This goal is based on the recognition that education is a key to development, and that all children should have access to a basic education. The United Nations has set a target of 100% enrolment in primary education by the year 2015. This target is based on the assumption that all children will be enrolled in primary education by the year 2015.

The United Nations has also set a target of 100% enrolment in secondary education by the year 2015. This target is based on the assumption that all children will be enrolled in secondary education by the year 2015. The United Nations has also set a target of 100% enrolment in tertiary education by the year 2015. This target is based on the assumption that all children will be enrolled in tertiary education by the year 2015.

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**Hygiene** — Continued  
cities, subheads Sanitary affairs and  
Sewerage

—Tropical, *see* Tropics — Diseases and  
hygiene

Hygiene of employment *see* Occupations —  
Diseases and hygiene

**Hygrometry**

*Refer from* Air; Humidity; Meteorology;  
Psychrometer (s)

**Hymenoptera**

*See also* Ants; Bees; Insects; Wasps

Hymnology *see* Hymns

**Hymns**

*See also* Church music; Religious poetry

*Refer from* Ants; Bees; Insects; Wasps

*Refer from* Anthems; Chants; Church music;  
Devotional exercises; Hymnology (s); Litera-  
ture; Liturgies; Lyric poetry; Music; Poetry;  
Psalmody (s); Religion; Religious poetry;  
Rites and ceremonies; Sacred poetry (s);  
Songs; Worship

Hyperspace *see* Fourth dimension

**Hypnotism**

*See also* Animal magnetism; Mental  
healing; Mind and body; Psychical research;  
Somnambulism; Subconsciousness; Sug-  
gestion; Suggestive therapeutics

*Refer from* Animal magnetism; Braidism (s);  
Clairvoyance; Mental healing; Mental sug-  
gestion (s); Mesmerism (s); Mind and body;  
Mind reading; Psychical research; Psychology;  
Sleep; Somnambulism; Subconsciousness; Sug-  
gestion; Suggestive therapeutics

Hypsometry *see* Altitudes

**Hysteria**

*See also* Mental diseases; Nervous system  
— Diseases

*Refer from* Medicine — Practice; Mental  
diseases; Nervous system — Diseases; Psy-  
chical research; Psychology; Women — Dis-  
eases

**Ice**

*See also* Arctic regions; Glaciers; Ice  
boats; Ice-breaking vessels; Icebergs; Re-  
frigeration and refrigerating machinery;  
Skating; Water

—**Manufacture**

*See also* Refrigeration and refrigerating  
machinery

*Refer from* Freezing (s); Frost; Glaciers;  
Meteorology; Physical geography; Refrigera-  
tion and refrigerating machinery; Snow;  
Water

*Refer from* Artificial ice (s); Ice machin-  
ery (s); Ice making (s); Refrigeration and  
refrigerating machinery

Ice age *see* Glacial period

**Ice boats**

*See also* Winter sports

*Refer from* Boats and boating; Ice; Ice  
yachts (s); Sports; Winter sports

*Refer from* Ice; Icebreaking vessels (s);  
Ships

**Ice-breaking vessels**

Ice cream *see* Ices

Ice hockey *see* Hockey

Ice machinery *see* Ice — Manufacture; Re-  
frigeration and refrigerating machinery

Ice making *see* Ice — Manufacture

Ice sports *see* Winter sports

Ice yachts *see* Ice boats

**Icebergs**

*See also* Arctic regions; Physical geography

*Refer from* Arctic regions; Glaciers; Ice;  
Ocean; Physical geography

Icebreaking vessels *see* Ice-breaking vessels

**Icelandic language**

*See also* Scandinavian languages

*Refer from* Germanic languages; Scandi-  
navian languages

**Icelandic literature**

*See also* Eddas; Sagas; Scandinavian  
literature

*Refer from* Eddas; Norse literature (s);  
Sagas; Scandinavian literature

**Ices**

*Refer from* Confectionery; Desserts; Ice  
cream (s)



**Ichology** *see* Footprints, Fossil

**Ichthyology** *see* Fish

**Iconography** *see* Art; Christian art and symbolism; Portraits; Saints in art; Sculpture; Statues

**Ideal states** *see* Utopias

**Idealism**

*See also* Ideals; Realism; Transcendentalism

**Idealism in art**

*See also* Naturalism in art; Realism in art; Romanticism

**Idealism in literature**

*See also* Naturalism in literature; Realism in literature; Romanticism; Symbolism in literature

**Ideals**

*See also* Idealism

**Ideas, Association of**, *see* Association of ideas

**Identification**

*See also* Anthropometry; Bertillon system; Crime and criminals; Evidence; Finger prints

**Identity, Personal**, *see* Personality

**Idiocy**

*See also* Children, Abnormal and backward; Defectives; Epilepsy; Feeble-minded; Insanity

**Idioms**

*See also* Idioms, English; *also* names of languages other than English, e.g. German language — Idioms

— **English**

*See also* Americanisms; Britishisms

**Idiots** *see* Idiocy

**Idleness**

**Ido**

**Idolatry**

*See also* Fetishism; Paganism; Superstition; Worship

**Igneous rocks**

*See also* Dikes (geology); Granite; Lava; Rocks

**Ignorance** *see* Illiteracy

**Illegitimacy**

*See also* Infanticide

**Illiteracy**

*See also* Education and citizenship; Education and crime

**Illuminating gas** *see* Gas

**Illumination** *see* Lighting

**Illumination of manuscripts and books**

*See also* Arts and crafts; Initials; Lettering; Missals; Paleography

*Refer from* Animism; Ideals; Philosophy; Realism

*Refer from* Art; Esthetics; Naturalism in art; Painting; Realism in art

*Refer from* Esthetics; Fiction; Literature; Naturalism in literature; Realism in literature

*Refer from* Aspiration (s); Character; Ethics; Idealism

*Refer from* Anthropometry; Bertillon system; Crime and criminals; Evidence; Finger prints; Medical jurisprudence

*Refer from* Brain; Children, Abnormal and backward; Consanguinity; Defectives; Feeble-minded; Fools; Idiots (s); Imbecility (s); Insanity; Medicine — Practice; Mental diseases

*Refer from* Language

*Refer from* English idioms (s); English language; English language — Idioms (s); Idioms

*Refer from* Conduct of life; Indolence (s); Laziness (s); Sloth (s)

*Refer from* Language, Artificial

*Refer from* Fetishism; God; Image worship (s); Paganism; Religion; Religions; Worship

*Refer from* Dikes (geology); Eruptive rocks (s); Geology; Lava; Rocks; Volcanic rocks (s); Volcanoes

*Refer from* Children; Infanticide; Marriage; Prostitution; Sexual ethics

*Refer from* Compulsory education; Education; Education and citizenship; Education and crime; Ignorance (s); Immigration and emigration

*Refer from* Arts and crafts; Books; Decoration and ornament; Illustration of books; Initials; Lettering; Manuscripts; Ornamental alphabets (s); Painting; Paleography

1.

**Illusions and hallucinations**

*See also* Apparitions; Conjuring; Ghosts; Insanity; Magic; Mental diseases; Optical illusions; Psychical research

*Refer from* Apparitions; Delusions (s); Ghosts; Hallucinations (s); Insanity; Mental diseases; Psychical research; Psychology; Visions (s)

**Illustration of books**

*See also* Caricature and cartoons; Drawing; Engraving; Extra illustration; Illumination of manuscripts and books; Illustrators; Photo-engraving; Photomechanical processes

*Refer from* Art; Book illustration (s); Books; Decoration and ornament; Drawing; Engraving

Illustrations (anecdotes) *see* Anecdotes

**Illustrators**

Image worship *see* Idolatry

Imaginary animals *see* Animal lore; Animals, Mythical

Imaginary islands *see* Geographical myths

**Imaginary wars and battles**

*Refer from* Artists; Illustration of books

**Imagination**

*See also* Psychology

*Refer from* Battles; Military art and science; War; Wars, Imaginary (s)

Imbecility *see* Feeble-minded; Idiocy

*Refer from* Fancy (s); Intellect; Psychology; Psychology, Educational

**Imitation**

*See also* Mimicry

*Refer from* Mimicry; Psychology; Psychology, Educational

**Immaculate conception**

*See also* Mary, Virgin

Immersion, Baptismal, *see* Baptism

Immigrants *see* Immigration and emigration

**Immigration and emigration**

*See also* Aliens; Anthropogeography; Colonies and colonization; Illiteracy; Migration of nations; Naturalization; *also* names of special nationalities, e.g. Italians in the U. S., Japanese in California; and names of countries and cities, subhead Foreign population

— U. S.

*See also* Indentured servants; Race problems — U. S.; Redemptioners; U. S. — Foreign population; *also* Japanese in the U. S., and similar headings

*Refer from* Colonies and colonization; Emigration (s); Government; Immigrants (s); Labor and laboring classes; Migration of nations; Race problems; Social problems; Sociology

*Refer from* Race problems — U. S.; U. S. — Economic conditions; U. S. — Emigration and immigration (s); U. S. — Immigration (s); U. S. — Social conditions

Immoral literature *see* Literature, Immoral

Immorality *see* Crime and criminals; Ethics; Vice

Immortality *see* Future life

**Immunity**

*See also* Antitoxins; Contagion and contagious diseases; Inoculation; Serum therapy; Vaccination

*Refer from* Antitoxins; Bacteriology; Contagion and contagious diseases; Hygiene, Public; Inoculation; Pathology; Serum therapy; Vaccination

**Impeachment**

*See also* Political offenses; Recall

**Imperial federation**

*See also* England — Colonies; Imperialism

*Refer from* Government; Law; Trials

*Refer from* England — Colonies; Federation, Imperial (s); Government; Imperialism

**Imperialism**

*See also* Colonies and colonization; Imperial federation; U. S. — Insular possessions

*Refer from* Anti-imperialism (s); Caesarism (s); Colonies and colonization; Government; Imperial federation; U. S. — Expansion (s); U. S. — History — War with Spain; U. S. — Insular possessions; U. S. — Territorial expansion (s)

Impersonation *see* Acting; Monologues



1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

**Implements, utensils, etc.**

*See also* Bone implements; Farm implements and machinery; Indians—Implements and weapons; Stone implements; Tools

Imports *see* Commerce; Tariff

**Imposture**

*See also* Antiques, Forged; Art forgeries; Counterfeits; Forgery; Fraud; Literary forgeries and mystifications; Quacks and quackery; Swindlers and swindling

**Impressionism (art)**

**Impressment**

Imprisonment *see* Arrest; Prisons

**Inaugurations**

**Incandescent gas-lighting**

*See also* Gas lighting

Incandescent lamps *see* Electric lamps

Incandescent lighting *see* Electric lighting;

Incandescent gas-lighting

Incandescent mantles *see* Incandescent gas-lighting

**Incarnation**

*See also* Jesus Christ

**Incas**

*See also* Indians of South America—Peru; Peru—Antiquities; Peru—History

**Incense**

**Income**

*See also* Capital; Finance; Salaries; Wages; Wealth

**Income tax**

*See also* Taxation; Taxation, Progressive

Increment, Unearned, *see* Unearned increment

Incrustation *see* Inlay

**Incubators**

*See also* Poultry

Incubus *see* Nightmare

Incumbrances *see* Liens; Mortgages

**Incunabula**

*See also* Block books; Book rarities; Colophons; Printers' marks; Printing—History

**Indemnity**

*See also* Damages

**Indentured servants**

*See also* Apprentices; Contract labor; Redemptioners

Independence day *see* Fourth of July

Independent order of Odd Fellows *see* Odd Fellows

Independents (church polity) *see* Congregationalism

**Independents (in politics)**

*Refer from* Industrial arts; Tools; Utensils (s)

*Refer from* Adventurers (s); Counterfeits; Delusions (s); Fraud; Hoaxes (s); Humbug (s); Quacks and quackery

*Refer from* Art; Esthetics; Painting

*Refer from* International law; Kidnapping; Maritime law; Naval history; Sailors

*Refer from* Presidents—U. S.; Rites and ceremonies

*Refer from* Gas; Gas lighting; Gas mantles (s); Incandescent lighting (s); Incandescent mantles (s); Lighting

*Refer from* Jesus Christ; Jesus Christ—Birth; Jesus Christ—Incarnation (s); Theology

*Refer from* Ethnology—Peru; Indians of South America—Peru; Peru—Antiquities; Peru—History

*Refer from* Odors; Perfumery; Worship

*Refer from* Economics; Finance; Fortunes (s); Property; Salaries; Wages; Wealth

*Refer from* Direct taxation (s); Taxation; Taxation, Progressive

*Refer from* Poultry

*Refer from* Bibliography; Book rarities; Printing

*Refer from* Compensation (s); Damages; International law

*Refer from* Bond servants (s); Contract labor; Immigration and emigration—U. S.; Redemptioners; Servants; Slavery; U. S.—History—Colonial period

*Refer from* Political parties; Politics



**Indeterminate sentence**

*See also* Parole; Prisons; Probation system

Indeterminism *see* Freedom of the will

**Indexes**

*See also* Card system in business; Catalogs; Indexing; Periodicals — Indexes; *also* subjects indexed

**Indexing**

*See also* Cataloging

India-rubber *see* Rubber

**Indian clubs**

*See also* Gymnastics

Indian corn *see* Corn

Indian legends *see* Indians — Folklore; Indians — Legends

**Indian mutiny, 1857-1858**

Indian reservations *see* Indians — Reservations

**Indian trails**

*See also* Oregon trail; Portages; Salt Lake trail; Santa Fe trail

Indian tribes *see* names of separate tribes

Indian wars *see* Indians — Wars

**Indians** [Indians of America, North America and the U. S. in general]

*See also* Cliff dwellers and cliff dwellings; Eskimos; Mounds and mound builders; Pueblos; Scalping; Shell money; Wampum; Western states; *also* names of families and tribes of Indians, e.g. Algonquian Indians, Apache Indians, Iroquois Indians, Pueblo Indians

—Amusements, *see* Indians — Games

—Anecdotes

—Antiquities

*See also* Arrowheads; Indians — Implements and weapons; Indians — Pottery; Kitchen middens; Mounds and mound builders; Pueblos; U. S. — Antiquities

—Art

—Biography

—Burial, *see* Indians — Mortuary customs

—Captivities

—Civilization

—Customs, *see* Indians — Social life and customs

—Dances

*See also* Ghost dance; Snake dance; Sun dance

—Education

*See also* Indians — Government relations; *also* names of schools for the Indians

—Ethnology

*See also* Indians — Origin

—Fiction

—Folklore

*See also* Indians — Legends

*Refer from* Crime and criminals; Criminal law; Prisons; Punishment; Sentence, Indeterminate (s)

*Refer from* Bibliography; Catalogs; Indices (s); Literature

*Refer from* Bibliography; Cataloging; Indexes

*Refer from* Gymnastics; Physical education

*Refer from* India — History; Sepoy rebellion (s)

*Refer from* Indians — Trails (s); Portages; Roads; Roads — U. S.; Trails (s)

*Refer from* American aborigines (s); American Indians (s); Amerinds (s); Ethnology; Ethnology — U. S.; North American Indians (s); Race problems — U. S.; Savages; U. S. — Indians (s); Western states

*Refer from* Anecdotes

*Refer from* Archaeology; Arrowheads; Indians — Industries; Mounds and mound builders; U. S. — Antiquities

*Refer from* Art; Art, Primitive

*Refer from* Biography

*Refer from* Captivity among the Indians (s); Frontier and pioneer life

*Refer from* Dancing; Ghost dance; Indians — Religion; Indians — Social life and customs; Snake dance; Sun dance

*Refer from* Education; Indians — Missions; Indians — Schools (s)

*Refer from* Ethnology — U. S.; Indians — Origin

*Refer from* Folklore — Indians (s); Indian legends (s); Indians — Legends; Indians — Mythology (s)



**Indians — Continued**

**— Games**

*Refer from* Games; Indians — Amusements (s); Indians — Social life and customs; Indians — Sports (s)

**— Government relations**

*See also* Indians — Land transfers; Indians — Reservations; Indians — Treaties; Indians — Treatment

*Refer from* Indians — Education; Indians — Land transfers; Indians — Treaties; Indians — Treatment

**— History**

*See also* Indians — Wars

**— Implements and weapons**

*See also* Bone implements; Stone implements

*Refer from* Arms and armor; Bone implements; Implements, utensils, etc.; Indians — Antiquities; Indians — Industries; Indians — Weapons (s); Stone implements; Tools; Weapons (s)

**— Industries**

*See also* Basketwork; Beadwork; Blankets; Indians — Antiquities; Indians — Implements and weapons; Indians — Pottery

*Refer from* Basketwork; Beadwork; Blankets; Industrial arts; Industries, Primitive

**— Land transfers**

*See also* Indians — Government relations; Indians — Treaties

*Refer from* Indians — Government relations; Indians — Treaties; U. S. — Public lands

**— Languages**

*See also* Algonquian languages; Chinook jargon; Eskimo language; Indians — Names

*Refer from* Algonquian languages; Language

**— Legends**

*See also* Indians — Folklore

*Refer from* Indian legends (s); Indians — Folklore; Indians — Mythology (s); Legends

**— Manners and customs, *see* Indians — Social life and customs**

**— Medicine**

*See also* Medicine men

*Refer from* Medicine; Medicine men

**— Missions**

*See also* Indians — Education; Jesuits — Missions

*Refer from* Catholic church — Missions; Indians — Religion; Jesuits — Missions; Missions; Missions, Home

**— Mortuary customs**

*Refer from* Funeral rites and ceremonies; Indians — Burial (s); Indians — Social life and customs; Mortuary customs (s)

**— Music**

*Refer from* Indians — Songs (s); Music; Music — Indians (s); Music — U. S.; Songs, American

**— Mythology, *see* Indians — Folklore; Indians — Legends; Indians — Religion**

**— Names**

*Refer from* Indians — Languages; Names; Names, Geographical; Names, Personal

**— Origin**

*See also* Indians — Ethnology

*Refer from* Indians — Ethnology

**— Pottery**

*Refer from* Indians — Antiquities; Indians — Industries; Pottery

**— Religion**

*See also* Fetishism; Flute ceremonies; Indians — Dances; Indians — Missions; Serpent worship; Totems and totemism

*Refer from* Indians — Mythology (s); Mythology — Indians (s); Religions; Rites and ceremonies

**— Reservations**

*Refer from* Indian reservations (s); Indians — Government relations; Reservations for the Indians (s); U. S. — Public lands

**— Schools, *see* Indians — Education; *also* names of schools**

**— Social life and customs**

*See also* Indians — Dances; Indians — Games; Indians — Mortuary customs

*Refer from* Indians — Customs (s); Indians — Manners and customs (s)



**Indians — Continued**

— Songs, *see* Indians — Music

— Sports, *see* Indians — Games

— Statistics

— Trails, *see* Indian trails

— Treaties

*See also* Indians — Government relations; Indians — Land transfers

— Treatment

*See also* Indians — Government relations

— Wars

*See also* Black Hawk war; French and Indian war; King Philip's war; King William's war; Pequot war; Pontiac's conspiracy; Queen Anne's war; U. S. — History — Revolution — Indian participation

— Weapons, *see* Indians — Implements and weapons

**Indians of Mexico**

*See also* Aztecs; Ethnology — Mexico; Mayas; Nagualism; Toltecs

**Indians of New York**

*See also* Iroquois Indians

**Indians of South America**

Indiarubber *see* Rubber

Indic languages *see* Indo-Aryan languages

**Indicators for steam engines**

*See also* Steam engines

Indices *see* Indexes

Indigestion *see* Digestion; Dyspepsia

**Indigo**

**Individualism**

*See also* Communism; Economics; Socialism

**Individuality**

*See also* Personality

**Indo-Aryan languages**

*See also* Aryan languages; Bengali language; Hindustani language; Oriental languages; Romany language; Sanskrit language

Indo-European languages *see* Aryan languages

Indo-Europeans *see* Aryans

Indo-Germanic languages *see* Aryan languages

Indo-Germanic peoples *see* Aryans

Indolence *see* Idleness

**Inductance**

Induction (logic) *see* Logic

**Induction coils**

*See also* Condensers (electricity); Electric currents, Alternating; Electric transformers; Electromagnets; Inductance; X rays

Induction motors *see* Electric motors

**Indulgences**

*See also* Absolution; Purgatory

Industrial alcohol *see* Alcohol, Denatured

Industrial arbitration *see* Arbitration and conciliation, Industrial

*Refer from* Indians — Government relations; Indians — Land transfers

*Refer from* Indians — Government relations

*Refer from* Black Hawk war; French and Indian war; Indian wars (s); King Philip's war; King William's war; New England — History; Pequot war; Pontiac's conspiracy; Queen Anne's war; U. S. — History; U. S. — History, Military

*Refer from* Aztecs; Ethnology — Mexico; Mayas; Toltecs

*Refer from* Iroquois Indians

*Refer from* Steam engines

*Refer from* Agricultural products; Color; Dyes and dyeing

*Refer from* Communism; Economics; Equality; Government; Socialism; Sociology

*Refer from* Character; Personality; Philosophy; Psychology

*Refer from* Aryan languages; Bengali language; Hindustani language; Indic languages (s); Oriental languages; Sanskrit language

*Refer from* Electric measurement; Electricity; Electrodynamics; Induction coils; Self-induction (s)

*Refer from* Electric apparatus and appliances; Electric transformers; Electricity; Electromagnets

*Refer from* Absolution; Catholic church; Church polity; Purgatory





### **Industrial arts**

*See also* Agriculture; Architecture; Arts and crafts; Blacksmithing; Bookbinding; Brewing; Building; Business; Cabinet work; Canning and preserving; Carpentry; Chair caning; Chemical engineering; Chemistry, Technical; Clay industries; Commerce; Cookery; Domestic arts; Dyes and dyeing; Electric engineering; Engineering; Engraving; Exhibitions; Factories; Fisheries; Floriculture; Foundry work; Furniture; Gardening; Glass manufacture; Handicraft; Home economics; Implements, utensils, etc.; Indians — Industries; Industrial education; Industries, Primitive; Industry; Inventions; Machine shop practice; Machinery; Manual training; Manufactures; Masonry; Mechanical engineering; Mechanics, Applied; Metal work; Metallurgy; Mills and millwork; Occupations, Dangerous; Painting, Mechanical; Patents; Photography; Plumbing; Pottery; Printing; Receipts; Shipbuilding; Tanning; Technical dictionaries; Technical education; Technology; Textile industry and fabrics; Tin-smithing; Tools; Turning; Waste products; Weaving; Woodwork; *also* names of countries, subhead Industries and resources, and names of cities, subhead Industries

### **Industrial betterment**

*See also* Garden cities; Hours of labor; Housing problem; Industrial education; Insurance, Industrial; Labor laws; Profit sharing; Scientific management

Industrial chemistry *see* Chemical engineering; Chemistry, Technical

Industrial combination *see* Combination, Industrial

Industrial conciliation *see* Arbitration and conciliation, Industrial

Industrial depression *see* Business depression

Industrial diseases *see* Occupations — Diseases and hygiene

Industrial drawing *see* Mechanical drawing

### **Industrial education**

*See also* Apprentices; Foremen's schools; Manual training; Mechanics' institutes; Technical education; Trade schools; Vocational education

Industrial efficiency *see* Efficiency, Industrial

Industrial exhibitions *see* Exhibitions

Industrial hygiene *see* Occupations — Diseases and hygiene

Industrial insurance *see* Insurance, Industrial

Industrial schools *see* Industrial education; Reformatories

Industries *see* Industrial arts; Industries, Primitive; Industry; *also* names of countries and states, subhead Industries and resources, and names of cities, subhead Industries

*Refer from* Art; Art industries (s); Arts, Useful (s); Arts and crafts; Chemistry, Technical; Crafts (s); Discoveries (in science) (s); Engineering; Handicraft; Industries (s); Industry; Inventions; Manufactures; Mechanic arts (s); Science; Technology; Trades (s); Useful arts (s)

*Refer from* Betterment, Industrial (s); Employees' welfare (s); Employers' welfare institutions (s); Housing problem; Labor and capital; Labor and laboring classes; Profit sharing; Social work; Welfare institutions for laborers (s)

*Refer from* Education; Education, Elementary; Education, Industrial (s); Industrial arts; Industrial betterment; Industrial schools (s); Labor and laboring classes; Manual training; Technical education; Trade schools; Vocational education



**Industries, Primitive**

*See also* Archaeology; Civilization, Ancient; Indians — Industries; Pottery; Society, Primitive; Stone implements

*Refer from* Archaeology; Civilization, Ancient; Ethnology; Industrial arts; Industries (s); Man — Origin and antiquity; Primitive industries (s); Society, Primitive; Stone implements

**Industry**

*See also* Economics; Efficiency, Industrial; Factory system; Government regulation of industry; Home labor; Industrial arts; Labor and laboring classes; Machinery in industry

*Refer from* Civilization; Consumption (economics); Economics; Industrial arts; Industries (s); Labor and capital; Labor and laboring classes; Production (s); Sociology

**Inebriate asylums**

*See also* Gold cure

*Refer from* Alcoholism; Asylums; Charities, Medical; Drunkenness (s); Hospitals; Inebriates (s)

**Inebriates** *see* Alcoholism; Inebriate asylums; Liquor problem; Temperance

**Infallibility**

*See also* Catholic church — Authority; Popes — Infallibility; Vatican council

*Refer from* Catholic church; Theology; Vatican council

**Infancy** *see* Infants

**Infant baptism** *see* Baptism — Infants

**Infant feeding** *see* Infants — Care and hygiene

**Infant salvation**

*See also* Baptism — Infants; Predestination

*Refer from* Baptism — Infants; Salvation

**Infanticide**

*See also* Illegitimacy

*Refer from* Crime and criminals; Illegitimacy; Medical jurisprudence; Murder; Women — Crime

**Infantry**

*See also* Infantry drill and tactics; Military art and science; *also* under country, e.g. U. S. — Army — Infantry. For volunteer regiments in the U. S. *see* under name of state, e.g. New York infantry; *also* United States volunteer infantry, for volunteer regiments recruited at large

*Refer from* Foot-soldiers (s); Military art and science

**Infantry drill and tactics**

*See also* Rifle practice; Tactics; Target practice

*Refer from* Drill (military); Infantry; Military art and science; Tactics

**Infants**

*See also* Children

*Refer from* Babies (s); Baby (s); Children; Infancy (s)

**—Care and hygiene**

*See also* Children — Care and hygiene

*Refer from* Children — Care and hygiene; Infant feeding (s)

**—Diseases**, *see* Children — Diseases

**Infection and infectious diseases** *see* Contagion and contagious diseases

**Infidelity** *see* Skepticism

**Infinite**

*See also* Being; Metaphysics

*Refer from* Finite (s); Metaphysics; Philosophy

**Infinitesimal calculus** *see* Calculus

**Infirmaries** *see* Hospitals

**Inflammation**

*See also* Fever; Suppuration

*Refer from* Pathology; Suppuration

**Influenza**

*See also* Cold (disease); Respiratory organs — Diseases

*Refer from* Cold (disease); Grippe (s); La grippe (s); Medicine — Practice; Respiratory organs — Diseases

**Infusoria**

*See also* Protozoa

*Refer from* Animalcules; Protozoa



✓ **Inheritance**

*See also* Administrators and executors; Entail; Estates, Unclaimed; Guardians; Inheritance and transfer tax; Land tenure; Legacies; Primogeniture; Probate law and practice; Salic law; Survivorship; Trustees; Wills

Inheritance (biology) *see* Heredity

**Inheritance and transfer tax** *see* Taxation *Inheritance*

*See also* Taxation; Taxation, Progressive

*Refer from* Bequests (s); Heirs (s); Intestate succession (s); Law; Legacies; Primogeniture; Probate law and practice; Property; Succession (s); Wills

*Refer from* Death duties (s); Inheritance; Legacies; Taxation; Taxation, Progressive; Transfer tax (s)

**Inhibition**

*See also* Habit

**Initials**

*See also* Artists' marks; Illumination of manuscripts and books; Lettering; Monograms

Initiative *see* Referendum

**Injectors**

*See also* Boilers

*Refer from* Habit; Mind and body; Nervous system; Psychology, Physiological

*Refer from* Illumination of manuscripts and books; Monograms

*Refer from* Boilers; Feed water; Steam engines; Steam injectors (s)

*Refer from* Actions at law; Constitutional law; Labor laws; Law

**Injunctions**

Injuries *see* Accidents; Damages; First aid in illness and injury; Torts; Wounds

Injurious insects *see* Insects, Injurious and beneficial

Injurious occupations *see* Occupations, Dangerous

✓ **Ink**

*Refer from* Chemistry, Technical; Printing; Stationery; Writing

**Inland navigation**

*See also* Canals; Ferries; Lakes; Pilots and pilotage; Rivers; Steam navigation; Waterways

*Refer from* Canals; Commerce; Hydrography; Lakes; Navigation; Navigation, Inland (s); Rivers; Transportation; Waterways

**Inlay**

*See also* Arts and crafts; Damaskeening; Mosaics

*Refer from* Arts and crafts; Buhlwork (s); Decoration and ornament; Incrustation (s); Inlaying (s); Intarsia (s); Marquetry (s); Mosaics

Inlaying *see* Inlay

**Inns**

*See also* Coffeehouses; Hotels

Innuity *see* Eskimos

*Refer from* Hotels; Taverns (s)

**Inoculation**

*See also* Immunity; Pasteurism; Serum therapy; Smallpox; Vaccination

*Refer from* Contagion and contagious diseases; Hygiene, Public; Immunity; Medicine; Serum therapy; Smallpox; Therapeutics; Vaccination

Inoculation of soils *see* Soil inoculation

Inorganic chemistry *see* Chemistry, Inorganic

Inquests, Coroners', *see* Coroners

**Inquisition**

*See also* Martyrs; Persecution; Reformation — Spain; Spain — Religious history; Torture

*Refer from* Catholic church; Church discipline; Church history; Fanaticism; Heresy; Holy office (s); Martyrs; Middle ages; Persecution; Reformation — Spain; Spain — Religious history; Spanish inquisition (s); Torture

**Insane hospitals**

*See also* names of cities, subhead Hospitals and asylums

*Refer from* Asylums; Charities; Charities, Medical; Hospitals; Insanity; Lunatic asylums (s); Psychopathic hospitals (s)

**Insanity**

*See also* Brain; Defectives; Degeneration; Eccentricity; Feeble-minded; Genius; Id-

*Refer from* Aberration, Mental (s); Brain; Consanguinity; Defectives; Degeneration;



idiot; Illusions and hallucinations; Insane hospitals; Medical jurisprudence; Mental diseases; Mind and body; Suicide

**Inscriptions**

*See also* Alphabet; Brasses; Cuneiform writing; Epitaphs; Hieroglyphics; Manuscripts; Obituaries; Paleography; Picture writing; Runes; Seals (numismatics); Writing

**Insecticides**

*See also* Insects, Injurious and beneficial; Spraying

**Insectivora**

*See also* Mammals

**Insectivorous plants**

*See also* Botany; Botany — Physiology

**Insects**

*See also* Arthropoda; Beetles; Caterpillars; Cocoons; Color of insects; Diptera; Entomologists; Fertilization of plants; Hemiptera; Hymenoptera; Insecticides; Lepidoptera; Neuroptera; Orthoptera; Wings; *also* names of insects

—Aquatic

—Fossil

—Injurious and beneficial

*See also* Agricultural pests; Cotton — Diseases and pests; Fruit — Diseases and pests; Household pests; Insecticides; Insects as carriers of contagion; Parasites; Spraying; Trees — Diseases and pests; *also* names of insects, e.g. Beetles, Bookworms, Chinch bugs, Cicadas, Cutworms, Hessian flies, Locusts, Mosquitoes, Moths, Plant lice, San José scale, Scale insects. Weevils

—U. S.

**Insects as carriers of contagion**

*See also* Flies; Mosquitoes; Sleeping sickness; Tsetse flies; Yellow fever

**Insignia**

*See also* Decorations of honor; Devices; Regalia

**Insolvency** *see* Bankruptcy

**Insomnia**

*See also* Narcotics; Sleep

**Inspection of factories** *see* Factory inspection

**Inspection of food** *see* Food adulteration and inspection

**Inspection of meat** *see* Meat inspection

**Inspection of steamboats** *see* Steamboat inspection

**Inspiration**

*See also* Bible — Inspiration; Revelation

Dementia (s); Idiocy; Illusions and hallucinations; Intellect; Lunacy (s); Madness (s); Mania (s); Medical jurisprudence; Medicine — Practice; Mental aberration (s); Mental derangements (s); Mental diseases; Mind and body; Psychology

*Refer from* Alphabet; Archaeology; Epigraphy (s); Epitaphs; Hieroglyphics; History, Ancient; Literature; Manuscripts; Monuments; Obituaries; Paleography; Writing

*Refer from* Insects; Insects, Injurious and beneficial; Spraying

• *Refer from* Mammals

*Refer from* Botany; Botany — Physiology; Carnivorous plants (s); Plants; Plants, Insectivorous (s)

*Refer from* Animals; Arthropoda; Beetles; Bugs (s); Diptera; Entomology (s); Hemiptera; Hymenoptera; Invertebrates; Lepidoptera; Neuroptera; Orthoptera; Zoology

*Refer from* Aquatic insects (s); Fresh-water fauna; Water insects (s)

*Refer from* Fossil insects (s); Invertebrates, Fossil; Paleontology

*Refer from* Agricultural pests; Agriculture; Economic entomology (s); Entomology, Economic (s); Fruit — Diseases and pests; Gardening; Household pests; Injurious insects (s); Insecticides; Parasites; Pests (s); Trees — Diseases and pests; Zoology, Economic

*Refer from* U. S. — Entomology (s); U. S. — Insects (s); Zoology — U. S.

*Refer from* Contagion and contagious diseases; Flies; Hygiene, Public; Insects, Injurious and beneficial; Mosquitoes; Tsetse flies

*Refer from* Badges of honor (s); Decorations of honor; Devices; Emblems; Heraldry; Regalia; Societies

*Refer from* Medicine — Practice; Sleep; Sleeplessness (s)

*Refer from* Revelation; Supernatural; Theology





**Instalment plan****Instinct**

*See also* Animal intelligence; Animals — Habits and behavior; Habit; Orientation; Psychology, Comparative

Institutes, Farmers', *see* Farmers' institutes  
Institutes, Teachers', *see* Teachers' institutes

**Institutional churches**

*See also* Church work

Institutions, Charitable and philanthropic, *see* Almshouses; Asylums; Charities; Hospitals; *also* names of cities, subheads Charities and Hospitals and asylums; and special classes of people, e.g. Deaf and dumb — Asylums and education

Instruction *see* Education; Teaching

**Instrumental music**

*See also* Bands (music); Chamber music; Dance music; Duets, Instrumental; Marches (music); Military music; Music; Musical instruments; Orchestral music; Orchestras; Organ music; Overtures; Piano music; Program music; Sonatas; Symphonies; Violin music

**Instrumentation and orchestration**

*See also* Musical instruments

**Instruments**

*See also* Astronomical instruments; Drawing instruments; Electric apparatus and appliances; Machinery; Mathematical instruments; Meteorological instruments; Musical instruments; Optical instruments; Scientific apparatus and instruments; Surgical instruments; Surveying instruments; Tools

**Insulation**

*See also* Electric cables; Electric resistance; Electric wire and wiring

**Insurance**

*See also* Benefit societies

**— Accident**

*See also* Employers' liability; Insurance, Casualty; Insurance, Industrial

✓ *Deposits*  
**— Casualty**

**— Compulsory**, *see* Insurance, State and compulsory

**— Fire**

*See also* Fireproofing

**— Fraternal**, *see* Benefit societies

**— Health**

*See also* Insurance, State and compulsory

*Refer from* Business; Credit

*Refer from* Animal instinct (s); Animal intelligence; Animals; Animals — Habits and behavior; Habit; Intelligence of animals (s); Psychology; Psychology, Comparative; Reason; Zoology

*Refer from* Christian sociology; Church; Church, Institutional (s); Church work

*Refer from* Music; Musical instruments; Orchestral music; Piano music

*Refer from* Bands (music); Composition (music); Military music; Music; Music — Instruction and study; Musical instruments; Orchestral music; Orchestration (s)

*Refer from* Apparatus (s); Scientific apparatus and instruments

*Refer from* Electric cables; Electric insulation (s); Electric resistance; Electric wire and wiring; Electricity

*Refer from* Appraising; Assurance (s); Commerce; Commercial law; Contracts; Finance; Investments; Law; Probabilities; Property; Sociology; Thrift

*Refer from* Accident insurance (s); Accidents; Employers' liability; Insurance, Industrial; Workingmen's insurance (s)

*Refer from* Casualty insurance (s); Explosions; Floods; Insurance, Accident; Live stock; Storms

*Refer from* Fire insurance (s); Fires

*Refer from* Health insurance (s); Insurance, Sickness (s)

Amount of the deposits

Amount of the deposits

**Insurance** — Continued

**Industrial**

*See also* Benefit societies; Employers' liability; Insurance, Accident; Insurance, State and compulsory

*Refer from* Benefit societies; Industrial betterment; Industrial insurance (s); Insurance, Accident; Insurance, Life; Insurance, State and compulsory; Insurance, Workingmen's (s); Labor and laboring classes; Thrift; Workingmen's insurance (s)

**Life**

*See also* Annuities; Benefit societies; Insurance, Industrial; Insurance, State and compulsory

*Refer from* Annuities; Benefit societies; Life insurance (s)

**Marine**

*See also* Salvage

*Refer from* Marine insurance (s); Maritime law

**Sickness, see** Insurance, Health;

**State and compulsory**

*See also* Insurance, Industrial; Old age pensions

*Refer from* Compulsory insurance (s); Insurance, Compulsory (s); Insurance, Health; Insurance, Industrial; Insurance, Life; Insurance, Workingmen's (s); Workingmen's insurance (s)

**Workingmen's, see** Insurance, Industrial; Insurance, State and compulsory

**Intaglios**

*See also* Gems; Seals (numismatics)

*Refer from* Gems

**Intarsia see** Inlay

**Integral calculus see** Calculus

**Intellect**

*See also* Animal intelligence; Belief; Brain; Certainty; Genius; Imagination; Insanity; Judgment; Knowledge; Logic; Memory; Perception; Psychology; Psychology, Comparative; Reason; Senses and sensation; Talent; Thought and thinking  
Intellectual property *see* Copyright; Inventions; Patents

*Refer from* Brain; Intelligence (s); Knowledge; Mind (s); Philosophy; Psychology; Thought and thinking; Understanding (s)

**Intelligence see** Intellect

**Intelligence of animals see** Animal intelligence; Instinct; Psychology, Comparative

**Intelligence offices see** Employment agencies; Labor exchanges

**Intemperance see** Alcoholism; Liquor problem; Temperance

**Intercollegiate athletics see** College athletics

**Interdict**

*See also* Excommunication

*Refer from* Catholic church; Church discipline; Church polity; Excommunication

**Interest**

*See also* Arithmetic; Banks and banking; Discount; Interest tables; Investments

*Refer from* Arithmetic; Arithmetic, Commercial; Banks and banking; Capital; Commerce; Discount; Economics; Ethics; Finance; Investments; Loans; Money; Negotiable instruments; Profit; Usury (s)

*Refer from* Psychology, Educational

**Interest (psychology)**

**Interest tables**

*Refer from* Interest; Mathematics — Tables, etc.; Tables, Interest (s)

**Interference (light)**

*See also* Electric waves; Light

*Refer from* Light; Optical interference (s)

**Interior decoration see** Church decoration and ornament; Furniture; House decoration

**Intermediate state see** Future life; Purgatory

**Interment see** Burial

**Internal combustion engines see** Gas and oil engines

→  $\Delta$  is a  $\mathbb{Z}$ -module

Internal revenue *see* Internal revenue laws;  
Stamp duties; Taxation; *also* names of  
countries, subhead Revenue

**Internal revenue laws**

International arbitration *see* Arbitration, In-  
ternational

International copyright *see* Copyright

International exchange *see* Foreign exchange

International exhibitions *see* Exhibitions

International language *see* Language, Artifi-  
cial; Language, Universal

**International law**

*See also* Aliens; Allegiance; Arbitration,  
International; Asylum, Right of; Blockade;  
Boundaries; Cables, Submarine; Citizen-  
ship; Claims; Confiscation; Consuls; Con-  
traband of war; Diplomacy; Diplomatic  
and consular service; Drago doctrine; Em-  
bargo laws; Extraterritoriality; Extradition;  
Guerrillas; Impressment; Indemnity; In-  
ternational relations; Intervention; Juris-  
diction; Maritime law; Military law; Mon-  
roe doctrine; Natural law; Naturalization;  
Neutrality; Passports; Peace; Pirates; Po-  
litical offenses; Privateering; Prizes (inter-  
national law); Recognition (international  
law); Red cross; Salvage; Search, Right of;  
Sovereignty; State ethics; Treaties; War

International marriages *see* Marriages, In-  
ternational

International politics *see* International rela-  
tions

**International relations**

*See also* Ambassadors; Arbitration, In-  
ternational; Balance of power; Consuls;  
Diplomacy; Diplomatic and consular ser-  
vice; Diplomatic memoirs; Diplomats;  
Disarmament; Eastern question; Frontiers;  
Holy alliance; International law; Mili-  
tarism; Monroe doctrine; Peace; Race  
problems; Sea power; State ethics; Tre-  
aties; Triple alliance, 1883-; War; *also* names  
of countries, subhead Foreign relations

Internationalism *see* International relations

Interoceanic canals *see* Ship canals

**Interstate commerce**

*See also* Railroads — Rates; Railroads —  
U. S.; Railroads and state; Restraint of  
trade; Transportation

Interurban railroads *see* Electric railroads

**Intervention**

*See also* Holy alliance; Monroe doctrine

Interviewing *see* Journalism; Reporting

Intestate succession *see* Inheritance

**Intestines**

*See also* Appendicitis; Digestive system;  
Viscera

Intolerance *see* Fanaticism; Liberty of con-  
science; Religious liberty

Intoxicants *see* Alcohol; Liquors; Stimulants

Intoxication *see* Alcoholism; Liquor problem;  
Temperance

*Refer from* Excise laws (s); Finance; In-  
ternal revenue (s); Liquor laws; Taxation;  
U. S.— Revenue

*Refer from* Arbitration, International; Block-  
ade; Commerce; Diplomacy; Diplomatic and  
consular service; International relations; Juris-  
diction; Law; Law of nations (s); Maritime  
law; Military law; Ministers of state; Nations,  
Law of (s); Natural law; Neutrality; Treaties;  
War

*Refer from* Balance of power; Diplomacy;  
Diplomatic and consular service; Disarma-  
ment; Foreign relations (s); History; Inter-  
national law; International politics (s); In-  
ternationalism (s); Ministers of state; Peace;  
Politics; Race problems; Treaties; War;  
World politics (s)

*Refer from* Carriers; Commerce; Govern-  
ment regulation of industry; Railroads —  
Law; Railroads — Rates; Railroads and state;  
Restraint of trade; U. S.— Commerce

*Refer from* Holy alliance; International law;  
Monroe doctrine; War

*Refer from* Abdomen; Digestive system;  
Viscera



**Intuition**

*See also* Psychology

Inundations *see* Floods

Invalid cookery *see* Cookery for the sick

**Invalids**

*See also* Diet; Health resorts; Nurses and nursing

Invasions of Rome, Barbarian, *see* Barbarian invasions of Rome

**Inventions**

*See also* Industrial arts; Inventors; Patents

**Inventors**

*See also* Inventions

**Invertebrates**

*See also* Arthropoda; Brachiopoda; Coelenterata; Crustacea; Echinodermata; Insects; Mollusks; Polyzoa; Protozoa; Sponges; Worms; Zoology

**—Fossil**

*See also* Insects, Fossil; Mollusks, Fossil

**Investments**

*See also* Annuities; Banks and banking; Bonds; Building and loan associations; Insurance; Interest; Loans; Mortgages; Railroads—Finance; Real estate; Real estate business; Securities; Speculation; Stocks; Thrift

Invisible empire *see* Ku-Klux Klan

**Ionization of gases**

*See also* Electric discharges through gases; Ions; Radioactivity

Ionized air *see* Ionization of gases

**Ions**

*See also* Dissociation; Electric discharges through gases; Electrochemistry; Electrolysis; Electrolytes; Electrons; Ionization of gases; Solution (chemistry)

**Iranian languages**

*See also* Aryan languages; Oriental languages; Persian language

Iranic languages *see* Iranian languages

Irish ballads *see* Ballads, Irish

**Irish in the U. S.**

*See also* Scotch-Irish in the U. S.

Irish land question *see* Land tenure—Ireland

**Irish language**

*See also* Celtic languages; Gaelic language

**Irish literature (Celtic)**

*See also* Celtic literature; Gaelic literature

**Irish literature (English)**

*See also* Ballads, Irish; English literature;

Irish poetry

**Irish poetry**

*See also* Ballads, Irish; Irish literature;

Songs, Irish

Irish songs *see* Ballads, Irish; Songs, Irish

**Iron**

*See also* Annealing; Blast furnaces; Cast iron; Corrosion and anti-corrosives; Foun-

*Refer from* Knowledge; Psychology

*Refer from* Hygiene; Medicine; Nurses and nursing; Sick, The (s)

*Refer from* Civilization; Discoveries (in science) (s); Industrial arts; Intellectual property (s); Inventors; Machinery; Patents; Property, Intellectual (s); Science

*Refer from* Biography; Discoverers (s); Inventions; Scientists

*Refer from* Arthropoda; Brachiopoda; Coelenterata; Echinodermata; Mollusks; Polyzoa; Protozoa; Sponges; Worms; Zoology

*Refer from* Paleontology

*Refer from* Bonds; Capital; Corporations; Economics; Finance; Interest; Loans; Money; Mortgages; Negotiable instruments; Securities; Speculation; Stocks; Thrift

*Refer from* Air; Atmospheric nucleation; Electric discharges through gases; Electricity; Gases; Ionized air (s); Ions; Radioactivity

*Refer from* Atoms; Chemistry; Chemistry, Physical; Dissociation; Electricity; Electrochemistry; Electrolysis; Electrolytes; Electrons; Ionization of gases; Matter; Solution (chemistry); X rays

*Refer from* Aryan languages; Iranic languages (s); Oriental languages; Persian language

*Refer from* U. S.—Foreign population

*Refer from* Celtic languages; Erse (s); Gaelic language

*Refer from* Celtic literature; Gaelic literature

*Refer from* British literature (s); English literature; Irish poetry

*Refer from* Ballads, Irish; British poetry (s); English poetry; Irish literature

*Refer from* Annealing; Building materials; Cast iron; Metallography; Metals; Steel





dry work; Galvanizing; Hardware; Iron age;  
Iron industry; Iron mines and mining; Iron  
ores; Ironwork; Metallography; Metals;  
Slag; Steel; Tubes; Wrought iron

**Iron age**

*See also* Archaeology

Iron-clad vessels *see* Armored vessels

Iron founding *see* Foundry work

**Iron industry**

*See also* Foundry work; Iron mines and  
mining; Rolling mills; Steel industry; Stoves

**Iron Mask**

**Iron mines and mining**

*See also* Iron ores

**Iron ores**

*See also* Iron mines and mining; Lodestone

Iron trade *see* Iron industry

Iron work *see* Ironwork

Ironclads *see* Armored vessels

**Ironwork**

*See also* Arts and crafts; Blacksmithing;  
Forging; Grilles; Iron industry; Metal  
coloring; Metal work; Railings; Welding;  
Wrought iron

**Irony**

**Iroquois Indians**

*See also* Indians of New York; Sullivan's  
expedition

✓ **Irrigation**

*See also* Alkali lands; Civil engineering;  
Dams; Drainage; Dry farming; Irrigation  
canals; Reclamation of land; Reservoirs;  
Water rights; Windmills

**Irrigation canals**

*See also* Flumes

**Irritability**

*See also* Heliotropism; Plants — Move-  
ments

Irvingites *see* Catholic apostolic church

Isinglass *see* Gelatin; Mica

Islam *see* Mohammedanism

**Islands**

*See also* Corals and coral islands; Physical  
geography

— Imaginary, *see* Geographical myths

**Islands of the Mediterranean**

**Isomerism**

*See also* Stereochemistry

Israelites *see* Jews

Isthmian canal *see* Panama canal

**Italian drama**

*See also* Dramatists, Italian; Italian  
literature; Theater — Italy

**Italian fiction**

*See also* Italian literature

**Italian language** [subdivided like German  
language]

*See also* Romance languages

*Refer from* Archaeology; Iron

*Refer from* Iron; Iron trade (s); Ironwork;  
Manufactures; Rolling mills; Steel industry

*Refer from* France — History — Bourbons;  
Man with the iron mask (s)

*Refer from* Iron; Iron industry; Iron ores;  
Mines and mineral resources

*Refer from* Iron; Iron mines and mining;  
Ore deposits; Ores

*Refer from* Arts and crafts; Blacksmithing;  
Decoration and ornament; Forge work (s);  
Forging; Grilles; Iron; Iron work (s); Metal  
work; Wrought iron; Wrought iron work (s)

*Refer from* Humor; Rhetoric; Satire

*Refer from* Five nations (s); Indians; In-  
dians of New York; Six nations (s)

*Refer from* Agriculture; Civil engineering;  
Dams; Drainage; Engineering; Hydraulic  
engineering; Reclamation of land; Reservoirs;  
Soils; Water supply

*Refer from* Canals; Flumes; Irrigation

*Refer from* Animals — Habits and behavior;  
Animals — Irritability (s); Biology; Helio-  
tropism; Movements of animals (s); Plants —  
Movements

*Refer from* Geography; Physical geography

*Refer from* Mediterranean Sea

*Refer from* Chemistry, Physical; Stereo-  
chemistry

*Refer from* Dramatists, Italian; Italian lit-  
erature; Italian poetry; Theater — Italy

*Refer from* Italian literature

*Refer from* Romance languages

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**Italian literature**

*See also* Authors, Italian; Italian drama; Italian fiction; Italian poetry; Romance literature

Italian painting *see* Painting, Italian

**Italian poetry**

*See also* Italian drama; Italian literature; Poets, Italian

**Italians in the U. S.**

*See also* Padrone system

**Italy — History****— To 1559**

*See also* Barbarian invasions of Rome; Guelfs and Ghibellines; Rome — History

**— 1559-1789**

*See also* Austrian succession, War of

**— 1789-1815**

*See also* Napoleonic wars

**— 1815-**

*See also* Carbonari; Triple alliance, 1883-

**Ivory****Jacobins**

*See also* French revolution

**Jacobites**

*See also* England — History — 1714-1837; Nonjurors

Jails *see* Prisons

Jainism *see* Jains

**Jains**

*See also* India — Religion

**Jameson's raid, 1895-1896**

Janissaries *see* Janizaries

**Janizaries**

*See also* Turkey — Army; Turkey — History

**Jansenists**

Japanese ethics *see* Ethics, Japanese

Japanese folklore *see* Folklore — Japan

**Japanese in California****Japanese in the U. S.**

*See also* Japanese in California

**Japanese language**

*See also* Oriental languages

Japanese legends *see* Legends — Japan

**Japanese literature**

*See also* Oriental literature

**Japanning**

*See also* Varnish and varnishing

**Jarley waxworks****Jealousy**

*See also* Emotions; Love

Jesters *see* Fools

Jests *see* Humor

*Refer from* Authors, Italian; Italian drama; Italian fiction; Italian poetry; Romance literature

*Refer from* Italian literature; Poets, Italian

*Refer from* U. S.— Foreign population

*Refer from* Barbarian invasions of Rome; Guelfs and Ghibellines

*Refer from* Austrian succession, War of

*Refer from* Carbonari

*Refer from* Animal products; Carving (art industries); Elephants; Sculpture

*Refer from* Bréton club (s); French revolution

*Refer from* England — History — Stuarts; England — History — 1714-1837; Scotland — History

*Refer from* Hinduism; India — Religion; Jainism (s)

*Refer from* South African war, 1899-1902; Transvaal

*Refer from* Janissaries (s); Turkey — Army; Turkey — History

*Refer from* Catholic church; Catholic church — History; Church history — Modern; Jesuits

*Refer from* California; Japanese in the U. S.

*Refer from* Race problems — U. S.; U. S.— Foreign population; U. S.— Foreign relations — Japan

*Refer from* Oriental languages

*Refer from* Oriental literature

*Refer from* Lacquer; Varnish and varnishing

*Refer from* Entertainments; Waxworks, Living (s)

*Refer from* Emotions; Love



## **Jesuits**

*See also* Jansenists

### **—Missions**

*See also* Catholic church — Missions;  
Indians — Missions

Jesus, Society of, *see* Jesuits

### **Jesus Christ**

*See also* Antichrist; Apostles; Atonement;  
Bible; Bible — New Testament; Christian-  
ity; Cross; Easter; Holy sepulcher; In-  
carnation; Lord's supper; Mary, Virgin;  
Messiah; Millennium; Miracles; Salvation;  
Second advent; Socinianism; Transubstan-  
tiation; Trinity

—Art, *see* Jesus Christ in art

—Ascension, *see* Jesus Christ — Resurrec-  
tion and ascension

—Atonement, *see* Atonement

—Baptism

—Biography

—Birth

*See also* Christmas; Incarnation; Magi

### **—Character**

*See also* Jesus Christ — Person and  
offices

—Crucifixion, *see* Jesus Christ — Passion

—Death, *see* Jesus Christ — Passion

### **—Divinity**

*See also* Arianism; Jesus Christ —  
Messiahship; Socinianism; Trinity; Uni-  
tarianism

### **—Genealogy**

—Iconography, *see* Jesus Christ in art

—Incarnation, *see* Incarnation

### **—Legends**

—Life, *see* Jesus Christ — Biography

### **—Messiahship**

*See also* Messiah

### **—Miracles**

### **—Names**

—Nativity, *see* Jesus Christ — Birth

### **—Passion**

### **—Person and offices**

*See also* Jesus Christ — Character

—Portraits, *see* Jesus Christ in art

### **—Resurrection and ascension**

*See also* Easter

—Second advent, *see* Second advent

### **—Teaching**

*See also* Bible — New Testament —  
Gospels; Parables; Sermon on the mount

### **—Temptation**

### **—Transfiguration**

### **—Trial**

### **Jesus Christ in art**

*See also* Christian art and symbolism;  
Madonnas

*Refer from* Catholic church; Church history;  
Counter-reformation; Jesus, Society of (s);  
Monasticism; Religious orders; Society of  
Jesus (s)

*Refer from* Catholic church — Missions;  
Indians — Missions; Missions

*Refer from* Atonement; Bible; Bible — New  
Testament; Bible — New Testament — Gos-  
pels; Christ (s); Christianity; Christology (s);  
God; Incarnation; Jews; Lord's supper; Mary,  
Virgin; Messiah; Millennium; Prophecies;  
Religion; Second advent; Theology; Trinity

*Refer from* Baptism

*Refer from* Jesus Christ — Life (s)

*Refer from* Christmas; Jesus Christ — Na-  
tivity (s); Nativity of Christ (s); Virgin  
birth of Christ (s)

*Refer from* Jesus Christ — Person and  
offices

*Refer from* Arianism; Divinity (s); Human-  
itarianism (theology) (s); Trinity; Unitarian-  
ism

*Refer from* Legends

*Refer from* Jesus Christ — Divinity; Mes-  
siah

*Refer from* Miracles

*Refer from* Crucifixion; Jesus Christ —  
Crucifixion (s); Jesus Christ — Death (s)

*Refer from* Jesus Christ — Character

*Refer from* Ascension of Jesus Christ (s);  
Easter; Jesus Christ — Ascension (s); Res-  
urrection

*Refer from* Bible — New Testament —  
Gospels; Parables

*Refer from* Temptation

*Refer from* Transfiguration of Jesus Christ (s)

*Refer from* Bible — Pictorial illustrations;  
Christian art and symbolism; Jesus Christ —



## **Jets**

*See also* Hydraulics; Hydrodynamics

## **Jetties**

*See also* Breakwaters

## **Jewelry**

*See also* Arts and crafts; Beads; Bracelets; Brooches; Cameos; Gems; Goldsmithing; Hall marks; Pearls; Plate; Precious stones; Rings; Silversmithing

Jewish ethics *see* Ethics, Jewish

Jewish language *see* Hebrew language; Yiddish language

## **Jewish literature**

*See also* Bible; Cabala; Hebrew literature; Talmud; Yiddish literature

Jewries *see* Ghettos

## **Jews**

*See also* Anglo-Israelism; Bible; Circumcision; Essenes; Ghettos; Jesus Christ; Messiah; Palestine; Passover; Patriarchs; Prophets; Sabbath, Jewish; Semitic race; Zionism

### **—Antiquities**

*See also* Bible — Antiquities

### **—Biography**

### **—Charities**

### **—Civilization**

—Customs, *see* Jews — Social life and customs

### **—Education**

—Ethics, *see* Ethics, Jewish

### **—Ethnology**

*See also* Bible — Ethnology

### **—History**

*See also* Bible — History

—Language, *see* Hebrew language; Yiddish language

### **—Law**

*See also* Mosaic law

—Literature, *see* Hebrew literature; Jewish literature; Yiddish literature

### **—Liturgy and ritual**

### **—Lost tribes**

*See also* Anglo-Israelism

—Music, *see* Music — Jews

### **—Persecution**

### **—Political and social conditions**

*See also* Jews — Persecution; Jews in Russia; Jews in the U. S.; Zionism

### **—Religion**

*See also* Bible — Old Testament; Cabala; Circumcision; Essenes; Jews — Liturgy and ritual; Messiah; Mosaic law; Passover; Sabbath, Jewish; Talmud

—Ritual, *see* Jews — Liturgy and ritual

—Social conditions, *see* Jews — Political and social conditions

Art (s); Jesus Christ — Iconography (s); Jesus Christ — Portraits (s)

*Refer from* Fluids; Hydraulics; Hydrodynamics; Liquids

*Refer from* Breakwaters; Harbors; Hydraulic engineering; Reclamation of land

*Refer from* Arts and crafts; Bracelets; Brooches; Costume; Decoration and ornament; Gems; Gold; Goldsmithing; Metal work; Precious stones; Rings; Silversmithing

*Refer from* Hebrew literature; Jews — Literature (s)

*Refer from* Bible; Church history; Ghettos; Hebrews (s); Israelites (s); Palestine; Race problems; Semitic race; Zionism

*Refer from* Bible — Antiquities

*Refer from* Charities

*Refer from* Bible — Ethnology

*Refer from* Bible — History

*Refer from* Mosaic law

*Refer from* Jews — Religion; Jews — Ritual (s)

*Refer from* Anglo-Israelism; Bible — Ethnology; Lost tribes of Israel (s); Ten tribes of Israel (s)

*Refer from* Jews — Political and social conditions; Persecution

*Refer from* Anti-Semitism (s); Jews — Social conditions (s)

*Refer from* Circumcision; Judaism (s); Passover; Religions





**Jews**—Continued

—**Social life and customs**

*See also* Ethics, Jewish

**Jews in Russia**

**Jews in the U. S.**

**Jiu-jitsu**

*See also* Wrestling

Joinery *see* Carpentry

Joint authorship *see* Collaboration

Joint standard *see* Bimetallism

**Joint-stock companies**

*See also* Corporations; Partnership;

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**Joints**

*See also* Anatomy; Dislocations

Jokes *see* Humor

**Journalism**

*See also* Amateur journalism; Authorship; Caricature and cartoons; Editorials; Libel and slander; Liberty of the press; Newspapers; Periodicals; Publicity; Reporting; Students' periodicals; War correspondence

Journals (machinery) *see* Bearings (machinery)

Journeys *see* Voyages and travels; *also* names of countries, subhead Description and travel

**Joy**

*See also* Emotions; Happiness; Pleasure

**Jubilee singers**

Judaeo-German *see* Yiddish language

Judaism *see* Jews — Religion

Judeo-German *see* Yiddish language

**Judges**

*See also* Chancellors, Lord; Chief justices; Justices of the peace; Magistrates

**Judgment**

*See also* Common sense; Psychology; Reason

**Judgment day**

*See also* Eschatology; Future life; Second advent

Judiciary *see* Courts; Judges

Juggling *see* Conjuring

July fourth *see* Fourth of July

Jurassic period *see* Geology, Stratigraphic — Jurassic; Paleontology — Jurassic

**Jurisdiction**

*See also* Constitutional law; Courts; Equity; International law

Jurisprudence *see* Law

Jurisprudence, Medical, *see* Medical jurisprudence

Jurists *see* Lawyers

**Jury**

*See also* Constitutional law; Trials

**Justice**

*See also* Equity

*Refer from* Jews — Customs (s)

*Refer from* Jews — Political and social conditions

*Refer from* Jews — Political and social conditions

*Refer from* Athletics; Physical education; Sports; Wrestling

*Refer from* Business; Commercial law; Corporations; Partnership; Stock companies (s); Stocks

*Refer from* Anatomy; Articulations (s); Bones; Dislocations

*Refer from* Authorship; Editorials; Interviewing (s); Liberty of the press; Literature; Newspaper work (s); Newspapers; Periodicals; Press (s); Professions; Reporting; Writing for the press (s); Yellow journalism (s)

*Refer from* Emotions; Happiness; Pleasure

*Refer from* Fisk university; Negro songs

*Refer from* Biography; Chief justices; Courts; Judiciary (s); Justices (s); Law; Lawyers; Magistrates

*Refer from* Intellect; Knowledge; Psychology; Reason

*Refer from* Day of judgment (s); Eschatology; Future life; Last judgment (s); Second advent; Theology

*Refer from* Constitutional law; Courts; International law; Law; Probate law and practice

*Refer from* Constitutional law; Courts; Criminal law; Grand jury (s); Law; Trial by jury (s); Trials

*Refer from* Conduct of life; Equity; Ethics; Law

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Justices *see* Chief justices; Judges; Justices of the peace

**Justices of the peace**

**Justification**

*See also* Faith; Grace (theology)

**Jute**

*See also* Fibers

**Juvenile courts**

*See also* Juvenile delinquency; Probation system

**Juvenile delinquency**

*See also* Children, Abnormal and backward; Defectives; Juvenile courts; Parental schools; Reformatories; Truancy; Truant schools

Juvenile literature *see* Children's literature

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Kabbala *see* Cabala

Kaffirs *see* Kafirs

**Kaffirs**

*See also* Africa, South

Kaki *see* Khaki

**Kaleidoscope**

Kalifs *see* Caliphs

**Kansas-Nebraska bill**

Kantianism *see* Critical philosophy

**Karens**

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Kartels (economics) *see* Combination, Industrial; Trusts

**Karyokinesis**

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Keeley cure *see* Gold cure

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Kelts *see* Celts

**Kentucky and Virginia resolutions, 1798**

Kentucky resolutions, 1798, *see* Kentucky and Virginia resolutions, 1798

Keramics *see* Pottery

Kerosene *see* Petroleum

Kerosene engines *see* Gas and oil engines

**Keswick movement**

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**Khaki**

Khalifs *see* Caliphs

**Kidnaping**

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*Refer from* Judges; Justices (s); Law; Magistrates

*Refer from* Faith; Grace (theology); Salvation; Theology

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*Refer from* Children — Law; Children's courts (s); Courts; Criminal law; Juvenile delinquency; Probation system; Reformatories

*Refer from* Boys; Children; Children — Law; Crime and criminals; Defectives; Delinquent children (s); Juvenile courts; Juvenile offenders (s); Social problems

*Refer from* Africa, South; Caffres (s); Ethnology — Africa, South; Kaffirs (s)

*Refer from* Optical instruments

*Refer from* Kansas — History; Missouri compromise; Nebraska — History; Slavery in the U. S.

*Refer from* Burma

*Refer from* Biology; Caryokinesis (s); Cells; Chromosomes (s); Cytokinesis (s); Mitosis (s)

*Refer from* Alien and sedition laws, 1798; Kentucky — History; Kentucky resolutions(s); Nullification; State rights; Virginia — History; Virginia resolutions (s)

*Refer from* Revivals

*Refer from* Cotton; Dyes and dyeing; Kaki (s); Textile industry and fabrics; Wool

*Refer from* Crime and criminals; Slave trade



**Kidneys**

*See also* Urinary organs

**Kindergarten**

*See also* Cardboard construction; Child study; Children; Finger plays; Nature study; Object teaching; Paper work; Play; Story telling

—**Games and songs**

—**Stories**

**Kindness**

Kindness to animals *see* Animals — Treatment  
**Kinematics**

*See also* Dynamics; Force and energy; Mechanical movements; Mechanics; Motion; Velocity

Kinematograph *see* Moving pictures

Kinetic theory of gases *see* Gases — Kinetic theory

Kinetics *see* Dynamics; Motion

Kinetograph *see* Moving pictures

Kinetoscope *see* Moving pictures

**King Philip's war, 1675-1676**

*See also* Indians — Wars; New England — History; U. S. — History — Colonial period

**King William's war, 1689-1697**

*See also* Indians — Wars; U. S. — History — Colonial period

**Kingdom of God****Kings and rulers**

*See also* Caliphs; Courts and courtiers; Divine right of kings; Doges; Emperors; Monarchy; Popes; Presidents; Princes and princesses; Queens and empresses; Royal descent; Families of

Kingship *see* Monarchy

Kinship *see* Consanguinity; Family

**Kissing****Kitchen**

*See also* Cookery; Home economics

**Kitchen garden (for teaching housekeeping)**

Kitchen gardening (vegetables) *see* Gardening

**Kitchen middens**

*See also* Mounds and mound builders

**Kites**

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Knife *see* Knives

Knight-errantry *see* Chivalry; Knights and knighthood

Knightage *see* Peerage

Knighthood *see* Knights and knighthood

**Knights and knighthood**

*See also* Chivalry; Feudalism; Heraldry; Peerage; *also* orders of knighthood, e.g. Garter, Order of the; Malta, Knights of; Templars; Teutonic knights

Knights hospitallers *see* Malta, Knights of

Knights of Malta *see* Malta, Knights of

Knights of Rhodes *see* Malta, Knights of

*Refer from* Abdomen; Urinary organs; Viscera

*Refer from* Child study; Children; Children — Education (s); Education; Education, Elementary; Education of children (s); Elementary education (s); Froebel system of education (s); Gifts (kindergarten) (s); Object teaching; Schools; Teaching

*Refer from* Children's songs; Games; Play; School music; Songs

*Refer from* Children's literature; Stories (s)

*Refer from* Affection (s); Charity; Conduct of life; Ethics

*Refer from* Cinematics (s); Dynamics; Machinery; Mechanical movements; Mechanics; Motion; Physics; Velocity

*Refer from* Indians — Wars; New England — History; U. S. — History — Colonial period

*Refer from* England — History — Stuarts; Indians — Wars; New York (state) — History; U. S. — History — Colonial period

*Refer from* Theology

*Refer from* Biography; Courts and courtiers; Despotism; Emperors; History; Magistrates; Monarchs (s); Monarchy; Royalty (s); Rulers (s); Sovereigns (s)

*Refer from* Manners and customs

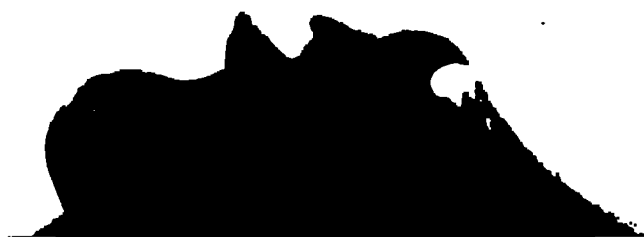
*Refer from* Cookery; Home economics

*Refer from* Home economics

*Refer from* Archaeology; Indians — Antiquities; Mounds and mound builders; Shell mounds (s)

*Refer from* Aeronautics; Amusements; Sports

*Refer from* Chivalry; Feudalism; Heraldry; Knight-errantry (s); Knighthood (s); Orders of knighthood (s); Peerage



Knights of St. John of Jerusalem *see* Malta,  
Knights of

Knights of the cross *see* Teutonic knights

Knights of the red cross *see* Freemasons

Knights templars (masonic) *see* Freemasons —  
Templars

Knights templars (military order) *see* Templars

**Knitting**

*See also* Fancy work

**Knives**

*See also* Cutlery

Knotting and splicing *see* Knots and splices

**Knots and splices**

**Know-nothing party**

*See also* U. S. — History — 1815-1861

**Knowledge**

*See also* Apperception; Belief; Education;  
Experience; Intellect; Intuition; Judgment;  
Metaphysics; Perception; Philosophy;  
Psychology; Reality; Science; Truth

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Koomis *see* Kumiss

**Koran**

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**Ku-Klux Klan**

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**Kumiss**

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Kyanizing *see* Wood — Preservation

Kymric language *see* Welsh language

Kymric literature *see* Welsh literature

**Labadists**

**Labor and capital**

*See also* Arbitration and conciliation,  
Industrial; Boycott; Capital; Combination,  
Industrial; Cooperation; Employers' associ-  
ations; Employers' liability; Industrial  
betterment; Industry; Labor and laboring  
classes; Labor unions; Profit sharing;  
Strikes and lockouts; Wages

**Labor and laboring classes**

*See also* Age limit of employment; Appren-  
tices; Arbitration and conciliation, Indus-  
trial; Benefit societies; Child labor; Com-  
munism; Consumers' leagues; Contract  
labor; Convict labor; Coolies; Cooperation;  
Cost of living; Economics; Efficiency, In-  
dustrial; Employers' liability; Employment  
agencies; Factory system; Farm colonies;  
Farm labor; Gilds; Home labor; Hours of  
labor; Housing problem; Immigration and  
emigration; Industrial betterment; Indus-  
trial education; Industry; Insurance, In-  
dustrial; Labor and capital; Labor ex-  
changes; Labor laws; Labor unions; Leisure  
class; Machinery in industry; Mechanics'  
institutes; Miners; Occupations; Old age

*Refer from* Fancy work; Needlework

*Refer from* Cutlery; Hardware; Knife (s)

*Refer from* Cordage; Knotting and splic-  
ing (s); Navigation; Rope; Splicing (s)

*Refer from* American party (s); Knownoth-  
ing party (s); Political parties; U. S.— His-  
tory — 1815-1861; U. S. — Politics

*Refer from* Apperception; Consciousness;  
Education; Epistemology (s); Intellect;  
Learning (s); Metaphysics; Philosophy; Psy-  
chology

*Refer from* Alcoran (s); Alkoran (s);  
Kuran (s); Mohammedanism; Quran (s);  
Sacred books

*Refer from* Invisible empire (s); Reconstruc-  
tion; Secret societies; Southern states; White  
league (s)

*Refer from* Koomis (s); Koumys (s); Liquors;  
Milk

*Refer from* Sects

*Refer from* Arbitration and conciliation,  
Industrial; Capital; Capital and labor (s);  
Economics; Labor and laboring classes;  
Profit sharing

*Refer from* Economics; Industry; Labor and  
capital; Labor unions; Laborers (s); Manu-  
factures; People; Poor; Profit sharing; Social  
problems; Sociology; Strikes and lockouts;  
Wages; Wealth; Work; Working classes (s)



SECRET

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- 7 **Labor and laboring classes**—Continued  
pensions; Open and closed shop; Padrone system; Peasantry; Peonage; Poor; Profit sharing; Railroads—Employees; Scientific management; Servants; Slavery; Socialism; Sociology; Standard of living; Strikes and lockouts; Sweating system; Unemployed; Villeinage; Wages; Women—Employment; Work; Workingmen's clubs; *also* names of cities, subhead Labor and laboring classes—U. S.

*See also* U. S.—Social conditions

Labor and machinery *see* Machinery in industry  
Labor colonies *see* Farm colonies; Penal colonies

#### **Labor exchanges**

*See also* Employment agencies; Unemployed

#### **Labor laws**

*See also* Blacklisting; Boycott; Employers' liability; Factory laws; Hours of labor; Injunctions; Mining laws

Labor legislation *see* Labor laws

Labor organizations *see* Gilds; Labor unions

#### 7 **Labor unions**

*See also* Arbitration and conciliation, Industrial; Benefit societies; Blacklisting; Boycott; Combination, Industrial; Cooperation; Employers' associations; Gilds; Labor and laboring classes; Open and closed shop; Restraint of trade; Strikes and lockouts; Trade agreements; Wages

#### **Laboratories**

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Laborers *see* Labor and laboring classes

Laborers' dwellings *see* Housing problem

#### **Lace**

*See also* Needlework

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#### **Lacrosse**

Ladies *see* Etiquet; Women

La grippe *see* Influenza

#### **Lake District, Eng.**

*See also* Cumberland, Eng.; Lake poets; Lancashire, Eng.; Westmoreland, Eng.

#### **Lake dwellers and lake dwellings**

*See also* Archaeology

#### **Lake poets**

*See also* English poetry; Lake District, Eng.

*Refer from* U. S.—Economic conditions; U. S.—Labor and laboring classes (s); U. S.—Social conditions

*Refer from* Arbitration and conciliation, Industrial; Employment agencies; Intelligence offices (s); Labor and laboring classes; Unemployed

*Refer from* Children—Law; Employers' liability; Factory laws; Government regulation of industry; Industrial betterment; Labor and laboring classes; Labor legislation (s); Law

*Refer from* Associations (s); Benefit societies; Boycott; Collective bargaining (s); Combination, Industrial; Commerce; Cooperation; Economics; Gilds; Labor and capital; Labor and laboring classes; Labor organizations (s); Open and closed shop; Organized labor (s); Restraint of trade; Societies; Strikes and lockouts; Trade unions (s); Trades combination (s); Unions, Labor (s); Wages; Workingmen's associations (s)

*Refer from* Research; Scientific research

*Refer from* Arts and crafts; Domestic arts; Fancy work; Manufactures; Needlework; Weaving

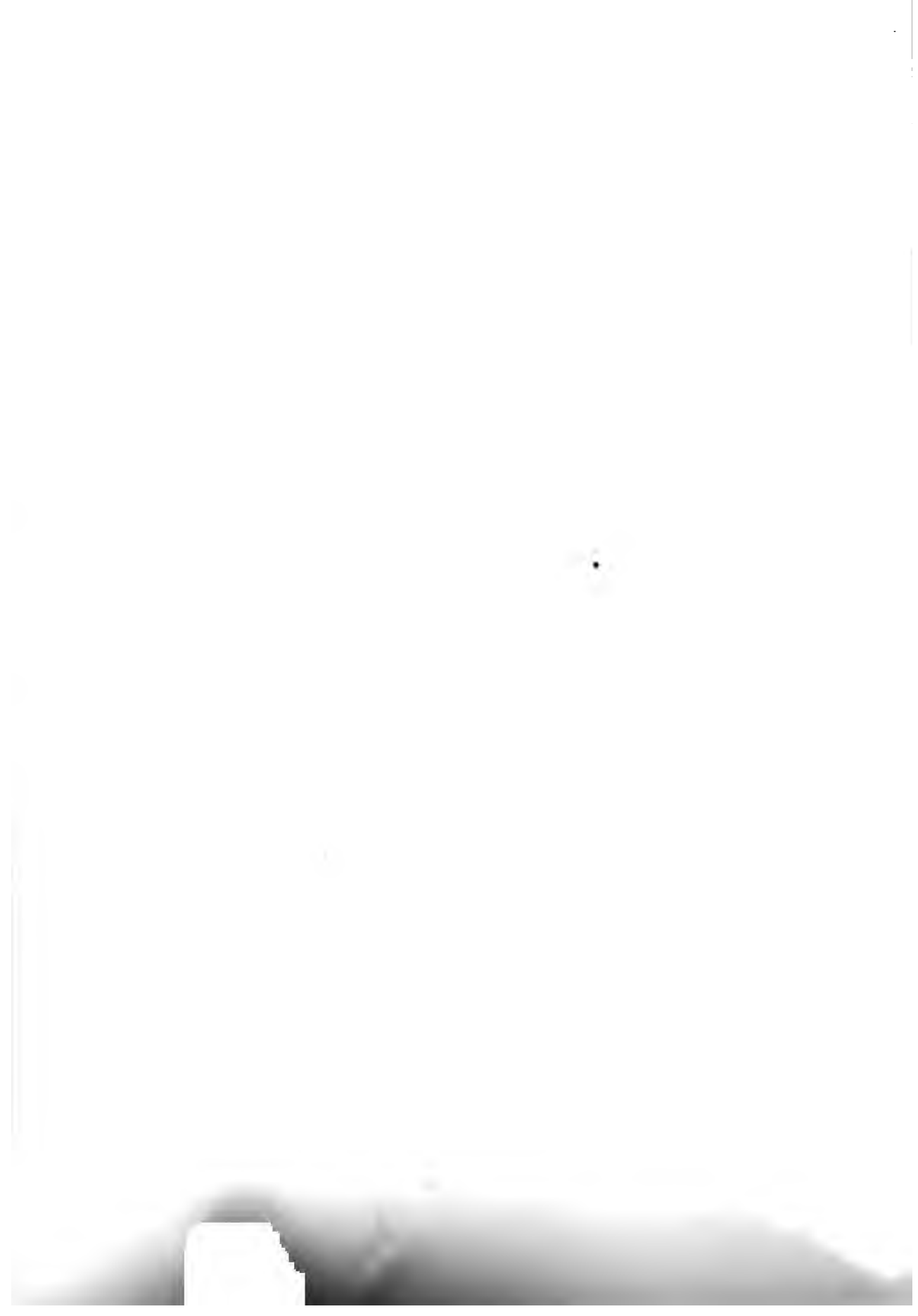
*Refer from* Arts and crafts; Varnish and varnishing; Wood finishing

*Refer from* Games

*Refer from* Cumberland, Eng.; England—Description and travel; Lake poets; Lakes; Lancashire, Eng.; Westmoreland, Eng.

*Refer from* Anthropology; Archaeology; Architecture, Ancient; Ethnology; Lakes; Man—Origin and antiquity

*Refer from* English poetry; Lake District, Eng.; Lake school (s); Lakists (s); Poets, English



Lake school *see* Lake poets

**Lakes**

*See also* Great Lakes; Inland navigation; Lake District, Eng.; Lake dwellers and lake dwellings; Physical geography; Ponds

Lakists *see* Lake poets

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Lamellibranchiata *see* Bivalves

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*See also* Agriculture; Clearing of land; Deeds; Easements; Eminent domain; Farm colonies; Farms; Land grants; Land nationalization; Land tenure; Land titles; Landlord and tenant; Parks; Public lands; Real estate; Reclamation of land; Rent; School lands; Single tax; Surveying; Taxation; Unearned increment

**Land banks**

*See also* Agricultural credit; Banks and banking

Land clearing *see* Clearing of land

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**Land grants**

*See also* School lands; *also* names of countries, subhead Public lands

**Land nationalization**

*See also* Communism; Land tenure; Single tax; Socialism

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**Land tenure**

*See also* Absenteeism; Commons; Eminent domain; Feudalism; Land nationalization; Land titles; Landlord and tenant; Manors; Mark (land); Mortmain; Real estate; Rent; Riparian rights; School lands; Scutage; Single tax; Taxation; Unearned increment; Village communities; Villeinage

**—Ireland**

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*See also* Homestead law; U. S.—Public lands

**Land titles**

*See also* Conveyancing; Deeds; Mortgages; Real estate; Sale; Torrens system

Land transfer *see* Conveyancing

**Land yachts**

**Landlord and tenant**

*See also* Absenteeism; Apartment houses; Eviction; Land; Rent; Tenement houses

Landmarks, Preservation of, *see* Preservation of landmarks, scenery, etc.

**Landscape**

*See also* Picturesque; Preservation of landmarks, scenery, etc.

**Landscape gardening**

*See also* Cemeteries; Evergreens; Forests and forestry; Garden ornaments and furni-

*Refer from* Inland navigation; Physical geography; Ponds; Water

*Refer from* Buddhism; Religions; Tibet

*Refer from* Furniture; Lighting; Petroleum

*Refer from* Agriculture; Economics; Landlord and tenant; Law; Property; Real estate; Rent

*Refer from* Agricultural banks (s); Agricultural credit; Banks and banking

*Refer from* Land; U. S.—Public lands

*Refer from* Communism; Land; Land tenure; Nationalization of land (s); Single tax; Socialism

*Refer from* Absenteeism; Agriculture; Economics; Inheritance; Land; Land nationalization; Real estate; Single tax; Tenure of land (s)

*Refer from* Absenteeism; Ireland — Land tenure (s); Irish land question (s)

*Refer from* U. S.—Economic conditions; U. S.—Land tenure (s)

*Refer from* Abstracts of title (s); Conveyancing; Deeds; Land; Land tenure; Property; Real estate; Sale; Titles (land) (s)

*Refer from* Sports; Yachts and yachting

*Refer from* Commercial law; Land; Land tenure; Law; Real estate; Rent; Tenants (s)

*Refer from* Esthetics; Natural scenery (s); Picturesque; Scenery (s)

*Refer from* Architectural gardening (s); Art; Cemeteries; Forests and forestry; Formal



ture; Gardening; Gardens; Hedges; Lawns; Municipal improvement; Parks; Pergolas; Rustic woodwork; Shrubs; Topiary work; Trees; Water gardens

**Landscape painting**

*See also* Barbizon school; Painting

**Landslides**

*See also* Avalanches

**Language**

*See also* Accent; Alliteration; Alphabet; Classical education; Conversation; Definition; Dialects; Elocution; Epithets; Etymology; Grammar; Hieroglyphics; Idioms; Literature; Names; Onomatopoeia; Phonetics; Pronunciation; Prosody; Punctuation; Rhetoric; Sign language; Slang; Speech; Spelling; Synonyms and antonyms; Translation; Transliteration; Words; Writing; *also* names of languages and groups of languages, e.g. African languages; Aryan languages; Dravidian languages; Indians — languages; Oceanic languages; Oriental languages; Romance languages; Semitic languages; Ural-Altaic languages

— **Artificial**

*See also* Bolak; Esperanto; Ido; Volapük

— **Comparative philology**

— **Universal**

*See also* Language, Artificial

Language of animals *see* Animals — Language

Language of flowers *see* Flower language

Langue bleue (artificial language) *see* Bolak

Langue d'oc *see* Provençal language

Langue d'oïl *see* French language

**Lantern slides**

*See also* Stereopticon

Lapidary work *see* Gems

**Larceny**

*See also* Burglary; Embezzlement; Thieves

Last judgment *see* Judgment day

Last words of famous people

Lathe work *see* Lathes; Turning

**Lathes**

*See also* Machine shop practice; Machine tools; Turning; Woodworking machinery

✓ **Latin America**

*See also* Central America; Mexico; Monroe doctrine; South America; West Indies

**Latin drama**

*See also* Dramatists, Latin; Latin literature; Theater — Rome

**Latin language** [subdivided like German language]

*See also* Aryan languages; Romance languages

**Latin literature**

*See also* Classical literature; Latin drama; Latin language; Latin poetry

— **Medieval and modern**

gardening (s); Gardening; Gardens; Hedges; Municipal improvement; Parks; Planting (s); Rural architecture (s); Shrubs; Trees

*Refer from* Painting

*Refer from* Avalanches; Geology; Physical geography

*Refer from* Anthropology; Ethnology; Linguistics (s); Literature; Philology (s); Science; Speech; Words

*Refer from* Artificial language (s); International language (s); Language, Universal

*Refer from* Comparative philology (s)

*Refer from* International language (s); Universal language (s)

*Refer from* Stereopticon

*Refer from* Burglary; Crime and criminals; Shoplifting (s); Stealing (s); Theft (s); Thieving (s); Thieves

*Refer from* Anecdotes; Death-bed words (s); Dying words (s)

*Refer from* Carpentry; Lathe work (s); Machine shop practice; Machine tools; Machinery; Turning; Woodworking machinery

*Refer from* Central America; Mexico; South America; Spanish America (s)

*Refer from* Dramatists, Latin; Latin literature; Theater — Rome

*Refer from* Aryan languages; Classical languages (s); Latin literature

*Refer from* Classical literature; Latin drama; Latin poetry; Roman literature (s)



**Latin poetry**

*See also* Latin literature

**Latin races**

*See also* Aryans; Creoles

**Latitude and longitude**

*See also* Astronomy; Astronomy, Spherical and practical; Geography, Mathematical; Navigation; Nutation; Traverse tables

Latter-day saints *see* Mormons and Mormonism

**Lattice**

*See also* Grilles

**Laughter**

*See also* Humor

Launches *see* Motor boats; Steam launches

**Launching****Laundry**

*See also* Cleaning

Laureates *see* Poets laureate

**Lava**

*See also* Igneous rocks; Volcanoes

**Law**

*See also* Acknowledgments; Actions at law; Administrators and executors; Admiralty; Adoption; Affidavits; Agency; Agricultural laws; Aliens; Allegiance; Anecdotes, Legal; Appeal; Appraising; Arbitration and award; Assignments; Asylum, Right of; Attachment; Bail; Bailments; Bankruptcy; Benefit of clergy; Blue laws; Building laws; Carriers; Chancery; Charters; Church law; Civil law; Civil rights; Commercial law; Common law; Confiscation; Constables; Constitutional law; Constitutions; Contracts; Conveyancing; Copyright; Coroners; Corporation law; Costs; County officers; Courts; Crime and criminals; Criminal law; Damages; Debt; Divorce; Domestic relations; Easements; Election laws; Eminent domain; Equity; Evidence; Extradition; Feudalism; Forms (in law); Game laws; Government; Guaranties and sureties; Guardians; Habeas corpus; Impeachment; Inheritance; Injunctions; Insurance; International law; Judges; Jurisdiction; Jury; Justice; Justices of the peace; Labor laws; Land; Landlord and tenant; Lawyers; Legacies; Legal ethics; Legislation; Libel and slander; Liens; Limitations (law); Liquor laws; Lynch law; Magistrates; Mandamus; Maritime law; Marriage; Martial law; Master and servant; Medical jurisprudence; Military law; Mining laws; Mortgages; Mortmain; Mosaic law; Municipal corporations; Municipal law; Natural law; Negligence; Negotiable instruments; Notaries; Nuisances; Pardon; Parliamentary practice; Partnership; Patents; Personal property; Petition, Right of; Pleading and practice; Police; Police power; Poor laws; Possession (in law); Powers (law); Primogeniture; Probate law and practice; Property; Prostitution; Punish-

*Refer from* Latin literature

*Refer from* Aryans; Civilization

*Refer from* Astronomy; Astronomy, Spherical and practical; Degrees of latitude and longitude (s); Earth; Geodesy; Geography; Geography, Mathematical; Longitude (s); Nautical astronomy; Navigation

*Refer from* Doors; Fret cutting (s); Grilles; House decoration; Windows

*Refer from* Emotions; Humor

*Refer from* Shipbuilding; Ships

*Refer from* Cleaning; Home economics; Washing (s)

*Refer from* Igneous rocks; Volcanoes

*Refer from* Civil law; Common law; Courts; Criminal law; Ethics; Government; Jurisprudence (s); Legislation; Municipal law; Pleading and practice; Professions; Science; Sociology





**Law**—Continued

ment; Real estate; Receivers; Rent; Restraint of trade; Riparian rights; Sale; Salic law; School laws; Sheriffs; Social contract; Sovereignty; Sumptuary laws; Survivorship; Torts; Trade-marks; Treason; Trespass; Trials; Trustees; Wager of battle; Wills; Witnesses; *also* subhead Law under countries and states, and under various subjects, e.g. Women — Law

—Study and teaching

Law of nations *see* International law

Law of nature *see* Natural law

Law of supply and demand *see* Supply and demand

Lawn tennis *see* Tennis

**Lawns**

*See also* Grasses

Lawsuits *see* Actions at law

**Lawyers**

*See also* Anecdotes, Legal; Chancellors, Lord; Chief justices; Judges; Legal ethics; Magistrates; Women as lawyers

Laziness *see* Idleness

**Lead**

*See also* Lead burning; Lead mines and mining; Lead poisoning; Metals; Pewter; Plumbing

**Lead burning**

*See also* Plumbing

**Lead mines and mining**

**Lead poisoning**

**Leadership**

*See also* Executive ability

Learned men *see* Scholars

**Learned societies**

*See also* Scientific societies; *also* names of countries and cities, subhead Learned institutions and societies

Learning *see* Culture; Education; Knowledge; Scholars

**Least squares**

*See also* Astronomy, Spherical and practical; Probabilities

**Leather**

*See also* Blacking; Chemistry, Technical; Boots and shoes; Harness; Hides and skins; Leather work; Tanning

**Leather work**

*See also* Arts and crafts

**Leaves**

*See also* Botany; Botany, Structural; Trees

**Lectures and lecturing**

*See also* Chalk talks; Lyceums; Oratory; Rhetoric

Lecturing *see* Lectures and lecturing

*Refer from* Legal education (s); Professional education

*Refer from* Gardening; Grasses; Landscape gardening

*Refer from* Attorneys (s); Bar (s); Barristers (s); Biography; Jurists (s); Law; Solicitors (s)

*Refer from* Metals

*Refer from* Lead; Plumbing

*Refer from* Lead; Mines and mineral resources

*Refer from* Lead; Occupations — Diseases and hygiene; Poisons

*Refer from* Ability; Executive ability; Success

*Refer from* Academies (learned societies) (s); Scientific societies; Societies

*Refer from* Astronomy, Spherical and practical; Errors, Theory of; Geodesy; Mathematics; Probabilities

*Refer from* Animal products; Boots and shoes; Chemistry, Technical; Hides and skins; Manufactures; Tanning

*Refer from* Arts and crafts; Fancy work; Leather

*Refer from* Botany; Botany, Structural; Foliage (s); Plants; Trees

*Refer from* Education; Entertainments; Lecturing (s); Lyceums; Oratory; Rhetoric



**Left- and right-handedness**

*See also* Ambidexterity; Hand

Lefthandedness *see* Left- and right-handedness

**Leg**

*See also* Anatomy; Artificial limbs

**Legacies**

*See also* Inheritance; Inheritance and transfer tax; Mortmain; Wills

Legal anecdotes *see* Anecdotes, Legal

Legal chemistry *see* Chemistry, Legal

Legal education *see* Law — Study and teaching

**Legal ethics**

Legal forms *see* Forms (in law)

Legal holidays *see* Holidays

Legal medicine *see* Medical jurisprudence

**Legal tender**

*See also* Greenbacks; Money; Paper money

Legations *see* Diplomatic and consular service

**Legends**

*See also* Animal lore; Arthurian romances; Ballads; Cross; Fables; Fairy tales; Faust; Folklore; Grail; Indians — Legends; Jesus Christ — Legends; Mary, Virgin — Legends; Mythology; Romances; Sagas; Saints; Wandering Jew

— **Celtic**

*See also* Folklore, Celtic

— **Japan**

*See also* Folklore — Japan

Legerdemain *see* Conjuring

**Legislation**

*See also* Government; Law; Legislative bodies; Lobbying; Parliamentary practice; Referendum; Veto

Legislation, Direct, *see* Referendum

**Legislative bodies**

*See also* Committees; Parliamentary practice; *also* names of legislative bodies under countries, states and cities

Legs *see* Leg

Legume inoculation *see* Soil inoculation

**Leisure**

**Leisure class**

*See also* Class distinction; Luxury

Lenape Indians *see* Delaware Indians

Length, Standards of, *see* Standards of length

Lenni Lenape *see* Delaware Indians

**Lenses**

*See also* Photographic optics

**Lent**

*See also* Ash Wednesday; Christian year; Easter; Fasts and feasts; Good Friday; Holy week

Lepers *see* Leprosy

*Refer from* Ambidexterity; Habit; Hand; Lefthandedness (s); Psychology, Physiological; Righthandedness (s); Righthandedness (s)

*Refer from* Anatomy; Legs (s)

*Refer from* Bequests (s); Inheritance; Law; Wills

*Refer from* Ethics; Ethics, Legal (s); Law; Lawyers; Professional ethics (s)

*Refer from* Bank notes; Coinage; Fiat money (s); Greenbacks; Money; Paper money

*Refer from* Ballads; Fiction; Folklore; Literature; Mythology; Romances; Saints; Stories (s); Superstition; Traditions (s)

*Refer from* Celtic legends (s); Celts; Folklore, Celtic

*Refer from* Folklore — Japan; Japan — Legends (s); Japanese legends (s)

*Refer from* Government; Law

*Refer from* Committees; Constitutional law; Government; Legislation; Parliamentary practice; Representative government and representation

*Refer from* Conduct of life; Simple life

*Refer from* Class distinction; Economics; Labor and laboring classes; Luxury; Privileged classes; Social ethics; Sociology; Wealth

*Refer from* Aberration; Optical instruments; Photographic optics; Photography; Spectacles

*Refer from* Ash Wednesday; Catholic church; Christian year; Easter; Fasting; Fasts and feasts; Good Friday; Holy week

Sum. 114

**Lepidoptera**

*See also* Butterflies; Caterpillars; Insects; Moths

**Leprosy****Letter writing**

*See also* Commercial correspondence; Etiquet; Rhetoric

**Lettering**

*See also* Illumination of manuscripts and books; Monograms; Sign painting

**Letters**

—**American**

—**English**

Letters (of the alphabet) *see* Alphabet

Letters of marque *see* Privateering

Letters patent *see* Patents

Leucopathy *see* Albinos and albinism

**Levant**

*See also* Asia Minor; East; Palestine; Turkey

Levees *see* Embankments

Leveling *see* Surveying

**Lewis and Clark expedition**

Lexicons *see* Dictionaries; *also* names of languages and subjects, subhead Dictionaries

Liability, Employers', *see* Employers' liability

**Libel and slander**

*See also* Liberty of speech; Liberty of the press; Torts

**Liberalism**

*See also* Modernism; Unitarianism

**Liberty**

*See also* Anarchism and anarchists; Assembly, Right of; Democracy; Equality; Free institutions; Liberty of conscience; Liberty of speech; Liberty of the press; Natural law; Religious liberty; Slavery

**Liberty of conscience**

*See also* Church and state; Dissenters; Heresy; Persecution; Private judgment; Public opinion; Religious liberty

**Liberty of speech**

*See also* Assembly, Right of; Libel and slander; Liberty of the press

**Liberty of the press**

*See also* Journalism; Libel and slander; Liberty of speech; Newspapers; Prohibited books; Public opinion

Liberty of the will *see* Freedom of the will

*Refer from* Butterflies; Caterpillars; Insects; Moths

*Refer from* Lepers (s); Medicine — Practice; Skin — Diseases

*Refer from* Composition (English); Composition (rhetoric) (s); Correspondence (s); Etiquet; Rhetoric; Writing

*Refer from* Alphabet; Alphabets (s); Decoration and ornament; Design, Decorative; Illumination of manuscripts and books; Initials; Mechanical drawing; Monograms; Ornamental alphabets (s); Painting, Mechanical; Penmanship; Sign painting; Writing

*Refer from* Correspondence (s); Literature

*Refer from* American letters (s); American literature

*Refer from* English letters (s); English literature

*Refer from* Asia; Asia Minor; East; Palestine; Turkey

*Refer from* Louisiana purchase; Missouri River; U. S.— Exploring expeditions; Western states

*Refer from* Calumny (s); Damages; Defamation (s); Journalism; Law; Liberty of speech; Liberty of the press; Slander (s); Torts

*Refer from* Government; Politics; Theology; Unitarianism

*Refer from* Civil liberty (s); Democracy; Despotism; Equality; Ethics; Free institutions; Freedom (s); Government; People; Personal liberty (s); Philosophy; Religious liberty

*Refer from* Church and state; Church polity; Conscience; Ethics; Free religion; Heresy; Intolerance (s); Liberty; Persecution; Private judgment; Religious liberty; Theology; Toleration (s)

*Refer from* Assembly, Right of; Free speech (s); Libel and slander; Liberty; Liberty of the press; Speech

*Refer from* Censorship of the press (s); Freedom of the press (s); Journalism; Libel and slander; Liberty; Liberty of speech; Newspapers; Periodicals; Press (s); Prohibited books

Sum. 114

**Lepidoptera**

See: Butterflies; Caterpillars; Insects.

**Mites**

**Leprosy**

**Letter writing**

See also: Commercial correspondence;  
Etiquette; Rhetoric

**Lettering**

See also: Illumination; Letter books;  
Monograms; Penmanship

**Letters**

~~American~~

~~English~~

~~French~~  
~~German~~  
~~Italian~~  
~~Japanese~~  
~~Latin~~  
~~Portuguese~~  
~~Russian~~  
~~Spanish~~  
~~Swedish~~  
~~Welsh~~

~~Arabic~~  
~~Chinese~~  
~~Hebrew~~  
~~Indic~~  
~~Malay~~  
~~Persian~~  
~~Sanskrit~~  
~~Tamil~~  
~~Thai~~  
~~Urdu~~

~~Yiddish~~

~~Other~~

~~Unwritten~~

~~Handwritten~~

~~Printed~~

~~Other~~





## **Librarians**

*See also* Library administration  
Librarianship *see* Library administration;  
Library science

## **Libraries**

*See also* Bibliography; Book clubs; Book collecting; Books; Books and reading; Catalogs, Library; Fiction in libraries; Home libraries; Librarians; Mechanics' institutes; Medical libraries; Reference books; School libraries; Shelving (for books); Sunday school libraries; Taxation, Exemption from; *also* headings beginning Libraries and Library, names of libraries, and names of cities, subhead Libraries

### **—Children's**

*See also* Children's literature; Libraries and schools; School libraries

### **—College**

—Home, *see* Home libraries

—Medical, *see* Medical libraries

### **—Municipal reference**

### **—Private**

*See also* Book collecting

### **—Public**

—School, *see* School libraries

—Sunday school, *see* Sunday school libraries

### **—Traveling**

*See also* Library post

### **—U. S.**

—University, *see* Libraries, College  
Libraries and children *see* Libraries, Children's  
Libraries and fiction *see* Fiction in libraries

## **Libraries and pictures**

## **Libraries and schools**

*See also* Children's literature; Libraries, Children's; School libraries

## **Library administration**

*See also* Fiction in libraries; Library science

## **Library architecture**

*See also* Shelving (for books)

Library buildings *see* Library architecture

## **Library bulletins**

Library catalogs *see* Catalogs, Library

## **Library commissions**

Library economy *see* Library science

## **Library fittings and supplies**

*See also* Shelving (for books)

## **Library laws**

## **Library post**

*See also* Parcels post

## **Library schools and training**

## **Library science**

*See also* Bibliography; Bookbinding; Cataloging; Classification; Libraries; Library administration; Library bulletins; Library schools and training

*Refer from* Biography; Libraries

*Refer from* Bibliography; Books; Books and reading; Circulating libraries (s); Education; Library science; Literature

*Refer from* Child study; Children; Children's libraries (s); Children's literature; Libraries and children (s); Libraries and schools; Schools and libraries (s)

*Refer from* College libraries (s); Libraries, University (s); University libraries (s)

*Refer from* Municipal reference libraries (s)

*Refer from* Book collecting; Private libraries (s)

*Refer from* Public libraries (s)

*Refer from* Traveling libraries (s)

*Refer from* U. S.—Libraries (s)

*Refer from* Pictures

*Refer from* Children's literature; Education; Libraries, Children's; Public schools; School libraries; Schools; Schools and libraries (s)

*Refer from* Librarians; Librarianship (s); Library science

*Refer from* Architecture; Library buildings (s); Public buildings

*Refer from* Advertising; Bulletins, Library (s); Library science

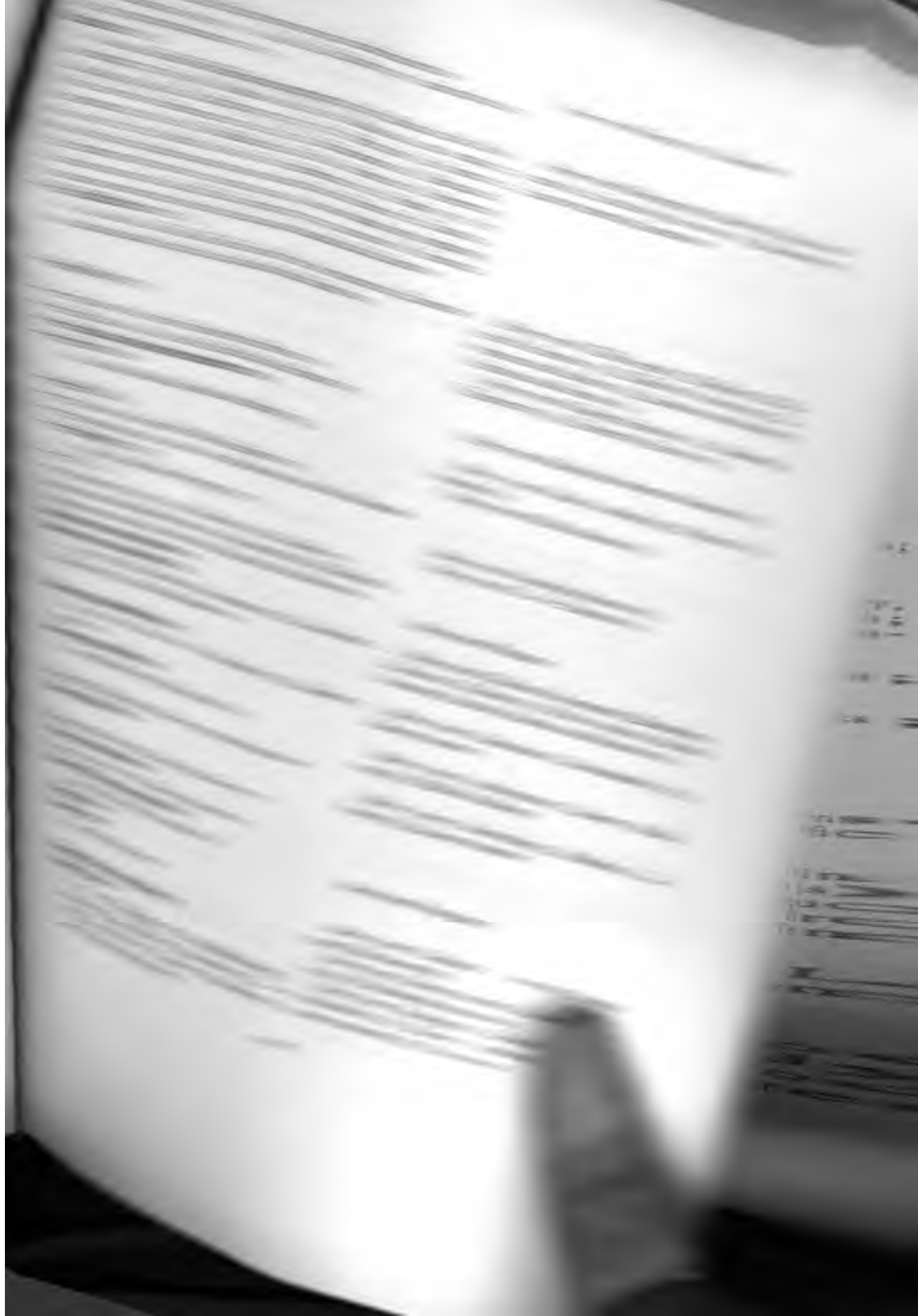
*Refer from* Furniture

*Refer from* Libraries, Traveling; Parcels post; Postal service

*Refer from* Library science; Library training (s); Professional education

*Refer from* Cataloging; Classification; Librarianship (s); Library administration; Library economy (s); Professions







Library training *see* Library schools and training

Librettos *see* Opera — Librettos

License system *see* Liquor laws; Liquor traffic

**Lichens**

*See also* Cryptogams

**Liens**

*See also* Attachment; Mortgages

Lies *see* Lying

**Life** [for use when neither Biology nor Conduct of life is applicable]

*See also* Animism; Biology; Christian life and character; Conduct of life; Death; Ethics; Future life; Hygiene; Longevity; Man; Philosophy; Spiritual life; Standard of living; Vital statistics; Vitalism

—**Origin**

*See also* Biology; Spontaneous generation

Life-boats *see* Lifeboats

Life in other worlds *see* Plurality of worlds

Life insurance *see* Insurance, Life

**Life-saving**

*See also* Accidents; Beacons; Drowning; Firemen; Fires; First aid in illness and injury; Lifeboats; Lighthouses; Lightning conductors; Safety devices; Shipwrecks

**Lifeboats**

Lifts *see* Elevators; Hoisting machinery

**Light**

*See also* Aberration; Absorption of light; Color; Color blindness; Diffraction; Ether (of space); Eye; Heliotropism; Interference (light); Lighting; Magneto-optics; N rays; Optical illusions; Optical instruments; Perspective; Phosphorescence; Photochemistry; Photography; Photometry; Phototherapy; Physics; Polarization (light); Radiation; Radioactivity; Rainbow; Reflection (light); Refraction; Sight; Spectra; Spectrum analysis; Sun; X rays; Zodiacal light

Light cure *see* Phototherapy

Light operas *see* Operettas

**Lighthouses**

*See also* Beacons

**Lighting**

*See also* Acetylene; Candles; Car heating, lighting and ventilation; Electric lighting; Gas; Gas lighting; Incandescent gas-lighting; Lamps; Lighthouses; Petroleum; Photometry; *also* names of cities, subhead Lighting

**Lightning**

*See also* Atmospheric electricity; Electricity; Lightning conductors; Thunderstorms

**Lightning conductors**

Lightning rods *see* Lightning conductors

**Lignite**

*See also* Briquets; Coal

*Refer from* Cryptogams; Mosses

*Refer from* Attachment; Assignments; Bailments; Commercial law; Incumbrances (s); Law; Mechanics' liens (s); Property; Real estate

*Refer from* Conduct of life; Ethics; Man; Metaphysics; Philosophy

*Refer from* Biology; Evolution; Origin of life (s)

*Refer from* Accidents; Drowning; Shipwrecks

*Refer from* Boats and boating; Life-boats (s); Life-saving; Navigation; Shipwrecks

*Refer from* Aberration; Absorption of light; Color; Diffraction; Eye; Interference (light); Optics (s); Photometry; Physics; Radiation; Reflection (light); Refraction; Senses and sensation; Spectra; Vibration; Waves

*Refer from* Beacons; Civil engineering; Hydraulic engineering; Life-saving; Lighting; Navigation

*Refer from* Illumination (s); Light; Municipal improvement; Street lighting (s)

*Refer from* Accidents; Atmospheric electricity; Electricity; Meteorology; Thunderstorms

*Refer from* Electric conductors; Life-saving; Lightning; Lightning rods (s); Safety devices

*Refer from* Coal; Fuel



**Lilies**

*See also* Floriculture

Lily *see* Lilies

**Lime**

*See also* Cement

**Limericks**

*See also* Nonsense verse

**Limestone**

*See also* Building stones; Chalk; Marble

**Limitations (law)**

*See also* Possession (in law)

Limnobiology *see* Fresh-water life

**Linen**

*See also* Fibers; Flax; Hemp; Textile industry and fabrics

Linguistics *see* Language

**Link motion**

*See also* Mechanical movements; Valves and valve gears

**Linoleum**

Linotype *see* Typesetting machines

**Lions**

*See also* Carnivora

**Lip reading**

*See also* Deaf and dumb

**Liquefaction of gases**

*See also* Chemistry, Physical; Liquid air

Liqueurs *see* Liquors

**Liquid air**

*See also* Chemistry, Physical; Liquefaction of gases

**Liquid fuel**

*See also* Alcohol, Denatured; Gas and oil engines; Gasoline; Petroleum

**Liquids**

*See also* Boiling points; Capillarity; Fluids; Hydraulics; Hydrodynamics; Hydrostatics; Jets; Liquid air; Liquid fuel; Soap bubbles; Solution (chemistry); Splashes; Viscosity

Liquor habit *see* Alcoholism; Liquor problem

**Liquor laws**

*See also* Dispensary system; Gothenburg system; Internal revenue laws; Liquor traffic; Local option; Prohibition

**Liquor problem**

*See also* Alcoholism; Canteens (army); Liquor laws; Liquor traffic; Local option; Prohibition; Temperance

**Liquor traffic**

*See also* Brewing; Canteens (army); Dispensary system; Gothenburg system; Liquor laws; Liquor problem; Local option; Prohibition; Temperance

**Liquors**

*See also* Adulterations; Alcohol; Ale; Beer; Beverages; Brandy; Brewing; Distillation; Fermentation; Kumiss; Temperance; Wine

*Refer from* Floriculture; Flowers; Lily (s)

*Refer from* Cement; Fertilizers and manures

*Refer from* Humor; Nonsense verse

*Refer from* Building stones; Chalk; Rocks

*Refer from* Actions at law; Debt; Law; Possession (in law); Statute of limitations (s)

*Refer from* Fibers; Flax; Hemp; Textile industry and fabrics

*Refer from* Mechanical movements; Steam engines; Valves and valve gears

*Refer from* Carpets; Floors; Manufactures

*Refer from* Carnivora; Hunting

*Refer from* Deaf and dumb; Speech

*Refer from* Chemistry, Physical; Gases; Heat; Liquid air; Physics

*Refer from* Air; Air, Liquid (s); Chemistry, Physical; Liquefaction of gases; Liquids; Physics; Refrigeration and refrigerating machinery

*Refer from* Fuel; Gas and oil engines; Liquids; Marine engines; Petroleum

*Refer from* Capillarity; Fluids; Mechanics; Physics

*Refer from* High license (s); Law; License system (s); Liquor problem; Liquor traffic; Local option; Prohibition; Temperance

*Refer from* Alcohol; Alcoholism; Drink question (s); Drunkenness (s); Inebriates (s); Intemperance (s); Intoxication (s); Liquor habit (s); Liquor traffic; Local option; Prohibition; Saloons (s); Social problems; Temperance

*Refer from* Alcohol; High license (s); License system (s); Liquor laws; Liquor problem; Saloons (s); Temperance

*Refer from* Adulterations; Agricultural products; Alcohol; Ale; Beer; Beverages; Brandy; Brewing; Distillation; Drinks (s); Food; Intoxicants (s); Liqueurs (s); Manufactures;





**Litanies**

*See also* Liturgies

Literary blunders *see* Errors and blunders  
Literary

Literary collaboration *see* Collaboration

Literary criticism *see* Criticism; Literature —  
History and criticism

**Literary forgeries and mystifications**

*See also* Errors and blunders, Literary;  
Plagiarism; Shakespeare, William — For-  
geries

Literary frauds *see* Literary forgeries and  
mystifications

Literary history *see* Bibliography; Literature  
— History and criticism

Literary men *see* Authors; Students

Literary property *see* Copyright

**Literary societies**

*See also* Study clubs

**Literature**

*See also* Allegories; Allusions; Anagrams;  
Anecdotes; Art in literature; Authors;  
Authorship; Ballads; Bestiaries; Bible —  
Literary character; Bibliography; Books;  
Books and reading; Booksellers and book-  
selling; Catholic literature; Chapbooks;  
Children in literature and art; Children's  
literature; Classicism; Commonplace books;  
Copyright; Criticism; Dialogues; Drama;  
Editorials; Emblems; Epigrams; Epitaphs;  
Errors and blunders, Literary; Essays; Es-  
thetics; Fables; Fairy tales; Fiction; Folk-  
lore; Horn books; Humanism; Humor;  
Hymns; Idealism in literature; Indexes;  
Inscriptions; Journalism; Language; Le-  
gends; Letters; Libraries; Literary forgeries  
and mystifications; Manuscripts; Maxims;  
Mottoes; Naturalism in literature; Nature  
in literature; Newspapers; Orations; Para-  
dies; Periodicals; Plagiarism; Plots (drama,  
novel, etc.); Poetry; Printing; Prose; Prov-  
erbs; Publishers and publishing; Quota-  
tions; Readers; Realism in literature; Reci-  
tations and readings; Religious literature;  
Renaissance; Rhetoric; Riddles; Romances;  
Romanticism; Sacred books; Sagas; Satire;  
Sermons; Short stories; Symbolism in litera-  
ture; Tracts; Translation; Women in litera-  
ture and art; *also* names of literatures and  
groups of literatures, e.g. American literature;  
Celtic literature; Classical literature; English  
literature; European literature; Oriental  
literature; Romance literature; Scandinavian  
literature; Slavic literature

**—Collections**

*See also* Recitations and readings

**—History and criticism**

*See also* Book reviews; Criticism

**—Immoral**

—Medieval, *see* Middle ages — Literature

Spirituuous liquors(s); Stimulants; Temperance;  
Wine

*Refer from* Liturgies; Prayers; Worship

*Refer from* Errors and blunders, Literary;  
Forgeries (s); Forgery; Frauds, Literary (s);  
Imposture; Literary frauds (s); Literature;  
Plagiarism

*Refer from* Societies; Study clubs

*Refer from* Authors; Belles-lettres (s);  
Bibliography; Books; Books and reading;  
Drama; European literature; Language; Poet-  
ry; Prose

*Refer from* Recitations and readings

*Refer from* Appraisal of books (s); Book  
reviews; Books — Appraisal (s); Criticism;  
Evaluation of literature (s); Literary criti-  
cism (s); Literary history (s)

*Refer from* Ethics; Immoral literature (s)

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**Literature** — Continued

— **Study and teaching**

**Lithography**

*See also* Chromolithography; Engraving; Photolithography; Zincography

Lithology *see* Rocks

Lithozincography *see* Zincography

Littoral rights *see* Riparian rights

**Liturgies**

*See also* Breviaries; Church services; Hymns; Litanies; Mass; Missals; Prayer books; Prayers; Responsive worship; Rites and ceremonies; Ritualism; Worship; *also* names of churches, e.g. Catholic church — Liturgy and ritual, Church of England — Liturgy and ritual

**Live stock**

*See also* Barns and stables; Breeding; Cattle; Cowboys; Cows; Domestic animals; Feeding and feeding stuffs; Grazing; Horse; Insurance, Casualty; Oxen; Poultry; Sheep; Swine; Veterinary medicine

— Transportation, *see* Animals — Transportation

**Liver**

*See also* Digestive system; Glands

**Livery**

Lives *see* Biography; *also* names of individuals and classes of persons

Living, Cost of, *see* Cost of living

Living, Standard of, *see* Standard of living

Living expenses *see* Cost of living

Loadstone *see* Lodestone

Loan associations *see* Building and loan associations

**Loans**

*See also* Debt; Finance; Interest; Investments; Mortgages; Repudiation; Securities

**Lobbying**

*See also* Political corruption

**Local government**

*See also* Boroughs; Cities; Coroners; County officers; Gilds; Home rule; Municipal government; Town meeting; Town officers; Towns; Village communities; Villages

**Local option**

*See also* Liquor laws; Liquor problem; Prohibition

Lockjaw *see* Tetanus

Lockouts *see* Strikes and lockouts

Locks (canals) *see* Canals — Locks

**Locks and keys**

**Locomotion**

*See also* Aeronautics; Animal locomotion; Automobiles; Boats and boating; Carriages; Coaches and coaching; Cycling; Driving; Flight; Horsemanship; Navigation; Rowing; Running; Sailing; Skating; Transportation; Travel; Walking

*Refer from* Art; Chromolithography; Engraving

*Refer from* Breviaries; Church ceremonies (s); Church music; Church services; Devotional exercises; Litanies; Missals; Prayer books; Prayers; Religious services (s); Responsive worship; Rites and ceremonies; Ritual (s); Service-books (s); Worship

*Refer from* Agriculture; Animal industry (s); Breeding; Cattle; Domestic animals; Farm animals (s); Feeding and feeding stuffs; Horse; Oxen; Sheep; Stock breeding (s); Stock farming (s); Stock raising (s); Swine

*Refer from* Abdomen; Digestive system; Glands; Viscera

*Refer from* Costume; Gilds; Servants; Uniforms

*Refer from* Commerce; Credit; Debt; Debts, Public; Finance; Investments

*Refer from* Legislation; Political corruption; Politics

*Refer from* Boroughs; County officers; Government; Municipal government; Self-government (s); State governments; Town meeting; Towns; Village communities; Villages

*Refer from* County option (s); Liquor laws; Liquor problem; Liquor traffic; Prohibition; Temperance

*Refer from* Hardware; Keys (s)

*Refer from* Motion

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**Locomotives**

*See also* Electric locomotives; Railroads; Steam engines; Traction engines

**Locusts**

*See also* Cicadas; Orthoptera

**Lodestone****Lodging houses**

*See also* Hotels

**Log cabins****Logarithms**

*See also* Functions; Mathematics — Tables, etc.; Slide rule; Surveying; Trigonometry

Logging *see* Lumber and lumbering

**Logic**

*See also* Analogy; Certainty; Debating; Evidence; Fallacies; Probabilities; Reason

**Lollards****Longevity**

*See also* Old age; Vital statistics

Longitude *see* Latitude and longitude

Looking-glasses *see* Mirrors

**Looms**

*See also* Weaving

Lord chancellors *see* Chancellors, Lord

**Lord's prayer**

*See also* Bible — New Testament — Matthew; Bible — New Testament — Luke

**Lord's supper**

*See also* Church membership; Close communion; Jesus Christ; Mass; Passover; Sacraments; Transubstantiation

Lost tribes of Israel *see* Jews — Lost tribes

**✓ Lotteries**

*See also* Probabilities

**Lotus****Louisiana purchase**

*See also* Lewis and Clark expedition; Mississippi Valley; U. S. — History — 1783-1812

**Louvre**

*See also* Paris — Galleries and museums

**Love**

*See also* Charity; Courtship; Friendship; Jealousy; Love poetry; Marriage; Mothers

*Refer from* Engines; Machinery; Mechanical engineering; Motors; Railroads; Railroads — Equipment and supplies; Railroads — Rolling stock; Steam engines

*Refer from* Grasshoppers (s); Insects, Injurious and beneficial; Orthoptera

*Refer from* Iron ores; Loadstone (s); Magnetism; Magnetite (s)

*Refer from* Apartment houses; Hotels; Housing problem; Tenement houses

*Refer from* Architecture, Domestic; Cabins, Log (s); Cottages

*Refer from* Algebra; Mathematics — Tables, etc.; Surveying; Tables, Mathematical (s); Trigonometry

*Refer from* Argument (s); Debating; Dialectics (s); Evidence; Fallacies; Induction (logic) (s); Intellect; Philosophy; Probabilities; Proof (s); Psychology; Reason; Reasoning (s); Science; Syllogisms (s); Thought and thinking

*Refer from* England — Religious history; Sects

*Refer from* Age; Aged (s); Biology; Centenarians (s); Hygiene; Life; Man; Old age; Pathology; Physiology

*Refer from* Machinery; Textile factories; Weaving

*Refer from* Bible; Bible — New Testament — Matthew; Bible — New Testament — Luke; Devotional exercises; Prayer; Prayers

*Refer from* Altars; Christian antiquities; Church membership; Church polity; Close communion; Communion (s); Confirmation; Devotional exercises; Eucharist (s); Jesus Christ; Mass; Passover; Real presence (s); Sacraments; Theology; Transubstantiation

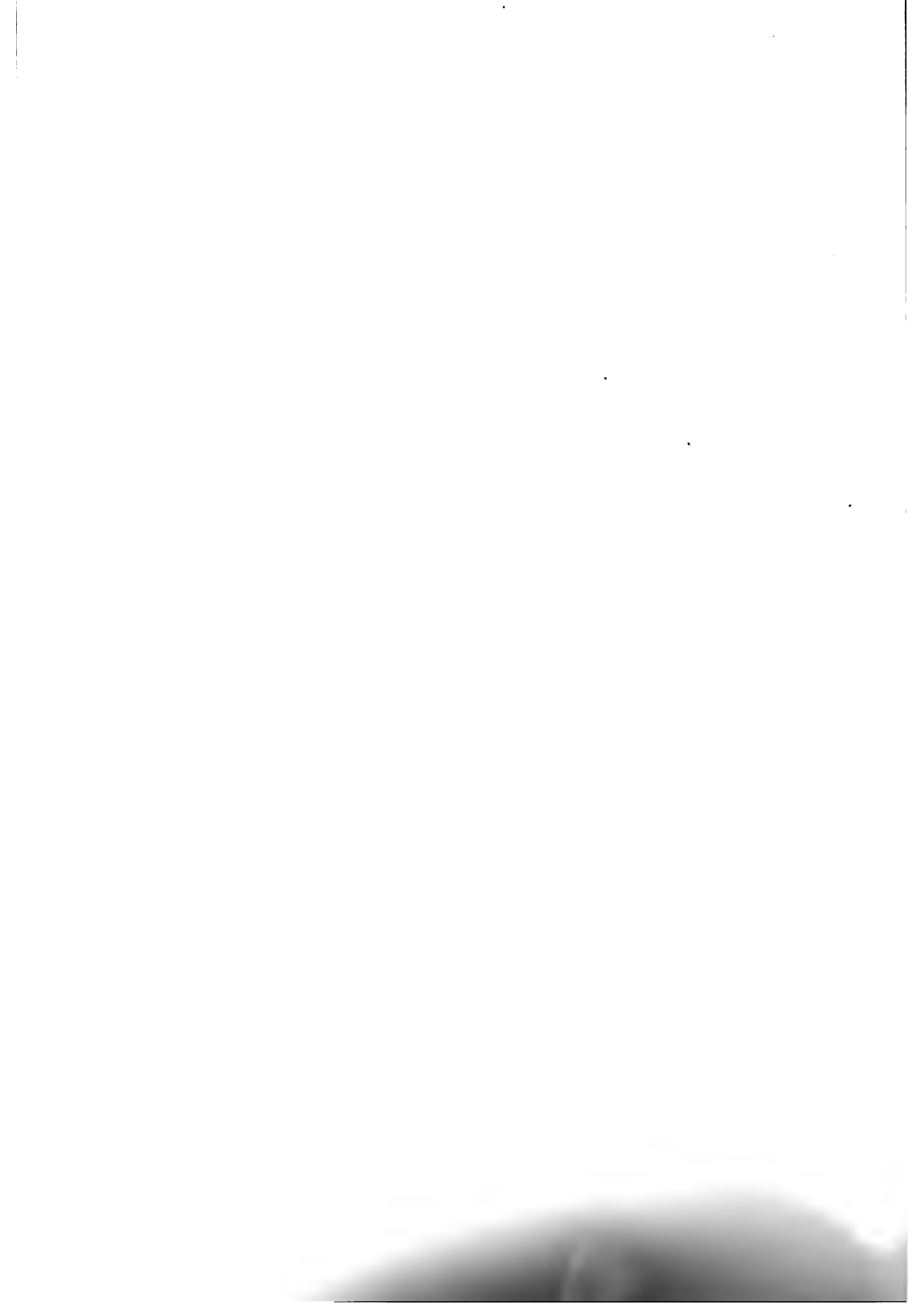
*Refer from* Crime and criminals; Ethics; Gambling

*Refer from* Egypt — Religion; Flowers

*Refer from* U. S. — Annexations; U. S. — History — 1783-1812

*Refer from* Art — Galleries and museums; Palaces; Paris — Galleries and museums

*Refer from* Affection (s); Charity; Courtship; Emotions; Ethics; Friendship; Jealousy; Marriage; Women



Love, Courts of, *see* Courts of love

**Love poetry**

**Low German language**

*See also* Dutch language; Flemish language; Germanic languages; Old Saxon language

Lower Silurian period *see* Geology, Stratigraphic — Ordovician

**Loyalists, American**

*See also* U. S.— History — Revolution

**Loyalty**

*See also* Patriotism

Lubricants *see* Lubrication and lubricants

**Lubrication and lubricants**

*See also* Bearings (machinery); Friction; Oils and fats

Lucerne (plant) *see* Alfalfa

Luck *see* Chance; Fate and fatalism; Success

**Luddites**

*See also* Machinery in industry

Luggage *see* Baggage

**Lullabies**

**Lumber and lumbering**

*See also* Forests and forestry; Sawmills; Timber; Woodworking machinery

Lumbering *see* Lumber and lumbering

Luminiferous ether *see* Ether (of space)

Lunacy *see* Insanity

Lunar eclipses *see* Eclipses

Lunar theory *see* Moon

Lunatic asylums *see* Insane hospitals

**Luncheons**

*See also* Cookery; Menus; Sandwiches; School lunches

**Lungs**

*See also* Auscultation; Breathing; Cough; Pneumonia; Respiratory organs; Tuberculosis

**Lutheran church**

*See also* Germany — Religious history; Reformation — Germany

Luxations *see* Dislocations

**Luxury & extravagance**

*See also* Consumption (economics); Leisure class; Standard of living; Sumptuary laws; Wealth

Lycanthropy *see* Werwolves

**Lyceums**

*See also* Lectures and lecturing

**Lying**

*See also* Equivocation; Truth

**Lynch law**

*See also* Vigilance committees

*Refer from* Love; Poetry; Poetry of love (s)

*Refer from* German language — Dialects; Germanic languages; Old Saxon language; Plattdeutsch (s)

*Refer from* American loyalists (s); Biography; Tories, American (s); United empire loyalists (s); U. S.— Biography; U. S.— History — Revolution

*Refer from* Conduct of life; Ethics; Fidelity (s); Patriotism

*Refer from* Bearings (machinery); Friction; Grease (s); Lubricants (s); Machinery; Mechanical engineering; Oils and fats

*Refer from* Labor and laboring classes — England; Machinery in industry

*Refer from* Cradle songs (s); Folk songs; Slumber songs (s); Songs

*Refer from* Clearing of land; Forest products; Forests and forestry; Logging (s); Lumbering (s); Timber; Trees; Wood

*Refer from* Cookery; Eating; Entertaining; Home economics; Meals (s); Menus; Table

*Refer from* Breathing; Chest; Pneumonia; Respiratory organs; Tuberculosis

*Refer from* Evangelical Lutheran church (s); Germany — Religious history; Reformation — Germany; Sects

*Refer from* Economics; Leisure class; Standard of living; Wealth

*Refer from* Education; Lectures and lecturing

*Refer from* Equivocation; Ethics; Falsehood (s); Lies (s); Truth

*Refer from* Capital punishment; Crime and criminals; Crowds; Law; Lynching (s); Mobs (s); Riots; Vigilance committees





Lynching *see* Lynch law

**Lyric poetry**

*See also* Ballads; Hymns; Minnesingers; Odes; Songs; Sonnets

Macadamized roads *see* Roads, Macadamized

**Macaronic verse**

**Machine design**

*See also* Bearings (machinery); Belting; Bolts and nuts; Cams; Chains; Drafting room practice; Gearing; Machine shop practice; Machinery; Mechanical drawing; Mechanical movements; Screws

Machine guns *see* Guns

**Machine shop management**

*See also* Machine shop practice; Scientific management

**Machine shop practice**

*See also* Drafting room practice; Drilling (perforating); Dynamos; Engines; Forging; Foundry work; Grinding and polishing; Lathes; Machine design; Machine shop management; Machine tools; Machinery; Mechanical engineering; Pattern making; Planing machines; Sheet-metal work; Welding

**Machine shops**

*See also* Machine shop management; Machine shop practice

**Machine tools**

*See also* Abrasives; Drilling (perforating); Electric driving; Grinding and polishing; Lathes; Machine shop practice; Milling machines; Planing machines; Punching machinery; Screw machines; Tool steel

**Machinery**

*See also* Bearings (machinery); Belting; Calculating machines; Conveying machinery; Cranes, derricks, etc.; Cranks (machinery); Electric engineering; Electric machinery; Engineering; Engines; Excavating machinery; Fans, Mechanical; Farm implements and machinery; Friction; Gearing; Hoisting machinery; Hydraulic engineering; Hydraulic machinery; Inventions; Kinematics; Lathes; Locomotives; Looms; Lubrication and lubricants; Machine design; Machine shop practice; Machine tools; Machinery in industry; Manufactures; Mechanical engineering; Mechanical movements; Mechanics; Milling machines; Mills and millwork; Mining machinery; Motors; Patents; Pattern making; Planing machines; Power transmission; Printing presses; Pulleys; Pumps; Refrigeration and refrigerating machinery; Screw machines; Screws; Sewing machines; Shafting; Steam engines; Tabulating machines; Timekeepers; Tools; Typesetting machines; Valves and valve gears; Water wheels; Wheels; Windmills; Woodworking machinery

**Machinery in industry**

*See also* Luddites

*Refer from* Ballads; Odes; Poetry; Songs; Sonnets

*Refer from* Humor; Poetry

*Refer from* Bearings (machinery); Belting; Bolts and nuts; Cams; Chains; Design; Machine (s); Drafting room practice; Gearing; Machine shop practice; Machinery; Mechanical drawing; Mechanical engineering; Mechanical movements; Mechanics, Applied; Screws

*Refer from* Machine shop practice; Machine shops; Management of factories, shops, etc. (s); Scientific management; Shop management (s); Works management (s)

*Refer from* Drilling (perforating); Grinding and polishing; Industrial arts; Lathes; Machine design; Machine shop management; Machine shops; Machine tools; Machinery; Mechanical engineering; Shop practice (s)

*Refer from* Architecture; Shops (s)

*Refer from* Lathes; Machine shop practice; Machinery; Mechanical engineering; Milling machines; Planing machines; Screw machines; Tools

*Refer from* Engineering; Industrial arts; Instruments; Machine design; Machine shop practice; Machines (s); Manual training; Manufactures; Mechanical engineering; Mechanical movements; Mechanics; Mechanism (s); Mills and millwork; Motors; Power; Power transmission; Tools; Wheels

*Refer from* Industry; Labor and laboring classes; Labor and machinery (s); Luddites; Machinery; Manufactures



Machines *see* Machinery

Madness *see* Insanity

Madonna *see* Mary, Virgin; Madonnas

**Madonnas**

*See also* Christian art and symbolism

*Refer from* Art; Christian art and symbolism; Jesus Christ in art; Madonna (s); Mary, Virgin; Mary, Virgin, in art (s); Paintings; Virgin Mary in art (s)

Maffia *see* Mafia

**Mafia**

*See also* Camorra; Sicily

*Refer from* Camorra; Crime and criminals; Mafia (s); Secret societies; Sicily

Magazines *see* Periodicals

**Magi**

*Refer from* Christmas; Jesus Christ — Birth; Wise men of the East (s)

**Magic**

*See also* Conjuring; Evil eye; Occult sciences; Witchcraft

*Refer from* Conjuring; Demonology; Illusions and hallucinations; Necromancy (s); Occult sciences; Superstition; Witchcraft

Magic lantern *see* Stereopticon

**Magic squares**

*Refer from* Mathematical recreations; Numbers; Squares, Magic (s)

**Magistrates**

*See also* Judges; Justices of the peace; Kings and rulers; Monarchy

*Refer from* Government; Judges; Law; Lawyers

**Magna charta**

*Refer from* Charters; England — Constitution; England — History — Plantagenets

Magnetic needle *see* Compass

Magnetic observations *see* Magnetism, Terrestrial — Observations

**Magnetic separation of ores**

*Refer from* Electrometallurgy; Magnetism; Metallurgy; Ore treatment

Magnetic surveys *see* Magnetism, Terrestrial — Observations

Magnetic variations *see* Magnetism, Terrestrial

**Magnetism**

*See also* Animal magnetism; Compass; Diamagnetism; Electricity; Electromagnets; Lodestone; Magnetic separation of ores; Magneto-optics; Physics

*Refer from* Diamagnetism; Electricity; Paramagnetism (s); Physics

—Terrestrial

*See also* Auroras; Compass

*Refer from* Auroras; Compass; Earth; Magnetic variations (s); Physical geography; Terrestrial magnetism (s)

—Observations

*Refer from* Magnetic observations (s); Magnetic surveys (s); Observations, Magnetic (s)

Magnetite *see* Lodestone

**Magneto-optics**

*See also* Electrons; Polarization (light)

*Refer from* Light; Magnetism; Polarization (light)

Magyar language *see* Hungarian language

Magyar literature *see* Hungarian literature

Mahommedanism *see* Mohammedanism

**Mahrattas**

*See also* Ethnology — India

*Refer from* Ethnology — India; India; Marathas (s)

Mail *see* Postal service

**Mail order business**

*See also* Advertising

*Refer from* Advertising; Business; Department stores

Maize *see* Corn

**Majolica**

*See also* Pottery

*Refer from* Pottery



**Make-up, Theatrical**

*See also* Acting; Cosmetics

Making-up, Theatrical, *see* Make-up, Theatrical  
Malacology *see* Mollusks

**Malaria**

*See also* Mosquitoes

Malarial fever *see* Malaria

**Malays**

*See also* Head-hunters

**Malpractice**

**Malt**

*See also* Beer; Brewing

**Malta, Knights of**

*Refer from* Acting; Actors; Amateur theatricals; Cosmetics; Making-up, Theatrical (s); Stage make-up (s); Theater; Theatrical make-up (s)

*Refer from* Ague (s); Chills and fever (s); Fever; Hygiene, Public; Malarial fever (s); Mosquitoes; Pathology

*Refer from* Ethnology

*Refer from* Medical jurisprudence; Medicine — Practice

*Refer from* Ale; Beer; Brewing; Enzymes

*Refer from* Chivalry; Hospitallers (s); Knights and knighthood; Knights hospitaliers (s); Knights of Malta (s); Knights of Rhodes (s); Knights of St. John of Jerusalem (s); Order of Malta (s); Order of St. John of Jerusalem (s); Religious orders; St. John of Jerusalem, Order of (s); Secret societies

*Refer from* Population

*Refer from* Bats; Carnivora; Cetacea; Elephants; Insectivora; Marsupialia; Primates; Quadrupeds; Rodents; Ungulata; Vertebrates; Zoology

*Refer from* Elephants; Paleontology

*Refer from* Anthropology; Civilization; Ethnology; History; Human race (s); Life; Men; Natural history; Philosophy; Physiology; Primates; Sociology; Zoology

**Malthusianism**

*See also* Population

**Mammals**

*See also* Carnivora; Cetacea; Fur-bearing animals; Insectivora; Marsupialia; Primates; Quadrupeds; Rodents; Ungulata; Vertebrates; Zoology; *also* names of mammals, e.g. Bats, Elephants, Seals (animals)

**Mammoths**

*See also* Paleontology

**Man**

*See also* Anatomy; Anthropogeography; Anthropology; Anthropometry; Archaeology; Cannibalism; Civilization; Color of man; Creation; Dwarfs; Environment; Ethics; Ethnology; Eugenics; Evolution; Family; Folklore; Future life; Giants; Heredity; History; Hygiene; Life; Longevity; Manners and customs; Men; Monsters; Paleontology; Phrenology; Physiognomy; Physiology; Psychology; Race problems; Religion; Savages; Sex; Sociology; Soul; Vital statistics; Women; *also* names of races

—Antiquity, *see* Man — Origin and antiquity

—Natural history, *see* Anthropology

—Origin and antiquity

*See also* Anatomy, Comparative; Archaeology; Cave dwellers; Creation; Evolution; Geology; Glacial period; Industries; Primitive; Lake dwellers and lake dwellings; Missing link; Stone age

Man with the iron mask *see* Iron Mask

Management of children *see* Children — Management

Management of factories, shops, etc., *see* Factory management; Machine shop management; Scientific management

*Refer from* Anatomy, Comparative; Antiquity of man (s); Archaeology; Creation; Evolution; Geology; Glacial period; Man — Antiquity (s); Origin of man (s); Preadamites (s); Prehistoric man (s); Primitive man (s); Stone age



**Mandamus**

Maneuvers, Military, *see* Military maneuvers

**Manganese**

*See also* Metals

Mania *see* Insanity

**Manicheism**

*See also* Philosophy, Persian

**Manicuring**

Manly exercise *see* Gymnastics; Physical education; Sports

Manners *see* Courtesy; Etiquet

**Manners and customs**

*See also* Amusements; April fools' day; Archaeology; Bohemianism; Burial; Cannibalism; Caste; Costume; Drinking customs; Dueling; Eating; Ethnology; Etiquet; Folklore; Funeral rites and ceremonies; Halloween; Holidays; Kissing; Marriage customs and rites; Mourning customs; National characteristics; Ordeals; Punishment; Rites and ceremonies; Salutations; Slang; Society; Tattooing; Tipping; Toasts; Valentine's day; Vendetta; *also* names of countries and cities, subhead Social life and customs

Manoeuvres, Military, *see* Military maneuvers

**Manors**

*See also* Feudalism

**Mantels**

*See also* Fireplaces

**Manual training**

*See also* Arts and crafts; Basketwork; Busy work; Cardboard construction; Carpentry; Drawing; Handicraft; Industrial education; Machinery; Modeling; Needlework; Paper work; Technical education; Trade schools; Weaving; Wood carving; Woodwork

**Manufacturers****Manufactures**

*See also* Automobiles; Beverages; Boots and shoes; Box making; Buttons; Cables; Candles; Carriages; Cars; Chains; Chemistry, Technical; Clocks and watches; Clothing; Commerce; Confectionery; Cooperage; Cost accounting; Cutlery; Explosives; Factories; Factory system; Flour and flour mills; Fuel; Furniture; Gas; Glass manufacture; Hardware; Harness; Hats; Industrial arts; Iron industry; Labor and laboring classes; Lace; Leather; Linoleum; Liquors; Machinery; Machinery in industry; Manufacturers; Matches; Metal work; Metals; Mills and millwork; Paper; Patents; Pens; Perfumery; Pins and needles; Pottery; Prices; Receipts; Rope; Rubber; Scientific management; Soap; Stationery; Steel industry; Sweating system; Technology; Textile industry and fabrics; Timekeepers; Tobacco — Manufacture and trade; Trade-marks; Tubes; Waste products; *also* names of countries and states, subhead Industries and resources, and names of cities, subhead Industries

*Refer from* Law

*Refer from* Metals

*Refer from* Dualism; Philosophy; Philosophy, Persian; Theology

*Refer from* Hand; Toilet

*Refer from* Anthropology; Archaeology; Ceremonies (s); Civilization; Customs (s); Ethics; Ethnology; Etiquet; Folklore; Man; Rites and ceremonies; Social life and customs (s); Sociology; Usages (s)

*Refer from* Feudalism; Land tenure; Middle ages

*Refer from* Fireplaces; House decoration

*Refer from* Arts and crafts; Education; Handicraft; Industrial arts; Industrial education; Sloyd (s); Sloyd (s); Technical education; Woodwork

*Refer from* Biography; Manufactures

*Refer from* Business; Commerce; Commercial geography; Commercial products; Economics; Industrial arts; Machinery; Mills and millwork; Technology; Useful arts (s)





Manures *see* Fertilizers and manures

**Manuscripts**

*See also* Archives; Charters; Illumination of manuscripts and books; Inscriptions; Paleography; Parchment; Writing

**Maoris**

*See also* Ethnology — New Zealand; New Zealand — History

**Map drawing** [elementary]

*See also* Topographical drawing

**Maps**

*See also* Atlases; Charts; Globes; Map drawing; Road maps; *also* names of countries, subhead Description and travel — Maps, and names of cities, subhead Description — Maps

Marathas *see* Mahrattas

**Marble**

*See also* Building stones

**Marbling**

Marches (exercise) *see* Drills and marches

**Marches** (music)

Marconigrams *see* Wireless telegraphy

Marine architecture *see* Shipbuilding

**Marine biology**

*See also* Algae; Aquatic plants; Dredging; Marine zoology; Plankton

Marine boilers *see* Boilers, Marine

Marine botany *see* Algae; Aquatic plants

**Marine engineering**

*See also* Boilers, Marine; Marine engines; Propellers; Shipbuilding; Steam navigation; Steam turbines

**Marine engines**

*See also* Boilers, Marine; Gas and oil engines; Liquid fuel; Marine engineering; Steam engines; Steam turbines

Marine fauna *see* Marine zoology

Marine flora *see* Algae; Aquatic plants

Marine hospitals *see* Hospitals, Naval and marine

Marine insurance *see* Insurance, Marine

Marine law *see* Maritime law

Marine life *see* Marine biology; Seafaring life

**Marine painting**

*See also* Painting

Marine plants *see* Algae; Aquatic plants

Marine surveying *see* Hydrography

**Marine zoology**

*See also* Aquariums; Brachiopoda; Cestacea; Coelenterata; Crustacea; Dredging; Echinodermata; Fish; Fresh-water fauna; Marine biology; Mollusks; Ocean; Plankton; Polyzoa; Protozoa; Seals (animals); Seashore; Sponges

Mariner's compass *see* Compass

Marionettes *see* Puppet plays

**Maritime law**

*See also* Admiralty; Collisions at sea; Contraband of war; Impressment; Insur-

*Refer from* Archives; Autographs; Bibliography; Books; History — Sources; Inscriptions; Literature; Paleography; Papyri (s); Writing

*Refer from* Ethnology — New Zealand; New Zealand

*Refer from* Drawing; Geography; Maps; Topographical drawing

*Refer from* Atlases; Cartography (s); Chartography (s); Charts; Geography

*Refer from* Building stones; Limestone; Sculpture; Stone

*Refer from* Bookbinding; Painting, Mechanical; Paper

*Refer from* Instrumental music

*Refer from* Aquatic life (s); Aquatic plants; Biology; Dredging; Marine life (s); Marine zoology; Ocean; Ocean life (s); Plankton; Sea life (s); Seashore; Thalassography (s)

*Refer from* Boilers, Marine; Engineering; Engineering, Marine (s); Marine engines; Mechanical engineering; Naval engineering (s); Steam navigation

*Refer from* Boilers, Marine; Engines; Marine engineering; Shipbuilding; Steam engines; Steam navigation; Steamboats

*Refer from* Painting

*Refer from* Aquatic animals (s); Deep-sea fauna (s); Dredging; Fish; Marine biology; Marine fauna (s); Mollusks; Ocean; Pelagic fauna (s); Plankton; Seashore; Zoology

*Refer from* Admiralty; Commerce; Commercial law; Dominion of the sea (s); International

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ance, Marine; International law; Mutiny; Neutrality; Pirates; Privateering; Prizes (international law); Salvage; Search, Right of; Shipping; Steamboat inspection  
Maritime power *see* Sea power  
Maritime surveying *see* Hydrography

**Mark (land)**

*See also* Village communities

**Market gardening**

*See also* Agriculture; Gardening; Greenhouses; Vegetables

**Marketing**

**Marketing of farm produce**

*See also* Agriculture; Farm management

**Markets**

*See also* Slaughtering and slaughterhouses; *also* names of cities, subhead Markets  
Marks (land) *see* Mark (land)  
Marks, Artists', *see* Artists' marks  
Marks, Goldsmiths', *see* Hall marks  
Marks, Printers', *see* Printers' marks

**Maroons**

**Marprelate controversy**

Marquetry *see* Inlay

**Marriage**

*See also* Adultery; Celibacy; Chastity; Consanguinity; Courtship; Divorce; Domestic relations; Eugenics; Family; Husbands; Illegitimacy; Love; Marriage customs and rites; Marriages, International; Polyandry; Polygamy; Sex; Sexual ethics; Wedding anniversaries; Weddings; Wives; Women

**Marriage customs and rites**

*See also* Weddings

Marriage records *see* Vital records

Marriage statistics *see* Vital statistics

**Marriages, International**

Marsh gas *see* Fire damp

**Marshes**

*See also* Drainage; Reclamation of land

**Marsupialia**

*See also* Mammals

**Martial law**

*See also* Courts martial; Habeas corpus; Military government; Military law

Martial music *see* Military music

**Martyrs**

*See also* Christian biography; Church history; Inquisition; Persecution; Saints

law; Law; Marine law (s); Navigation laws (s); Privateering; Prizes (international law); Salvage; Search, Right of; Shipping

*Refer from* Commons; Land tenure; Marks (land) (s); Village communities

*Refer from* Agriculture; Farm management; Gardening; Greenhouses; Truck farming (s); Vegetable gardening (s); Vegetables

*Refer from* Food; Home economics

*Refer from* Agricultural products; Agriculture; Commerce; Farm management; Farm products (s); Prices; Transportation

*Refer from* Business; Cities; Commerce; Food

*Refer from* Dutch Guiana; Fugitive slaves; Jamaica; Negroes

*Refer from* Church of England — Doctrinal and controversial works; England — Religious history; Puritans

*Refer from* Christian antiquities; Church law; Consanguinity; Courtship; Divorce; Domestic relations; Ethics; Eugenics; Family; Home; Husband and wife (s); Husbands; Law; Love; Matrimony (s); Polygamy; Rites and ceremonies; Sacraments; Sex; Sexual ethics; Social problems; Sociology; Weddings; Wives; Women; Women — Law

*Refer from* Bridal customs (s); Manners and customs; Marriage; Rites and ceremonies; Weddings

*Refer from* International marriages (s); Marriage

*Refer from* Bogs (s); Drainage; Fens (s); Morasses (s); Reclamation of land; Swamps (s)

*Refer from* Mammals; Pouched animals (s); Zoology — Australia

*Refer from* Habeas corpus; Law; Military art and science; Military government; Military law; War

*Refer from* Christian biography; Church history; Heresy; Heroes; Inquisition; Persecution; Saints

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**Mary, Virgin**

*See also* Immaculate conception; Jesus Christ; Madonnas

**—Legends**

Mary, Virgin, in art, *see* Madonnas

**Masks (for the face)**

Masks (plays) *see* Masques (plays)

**Mason and Dixon's line****Masonry**

*See also* Arches; Bricklaying; Bricks; Bridges; Building; Building stones; Cement; Concrete; Dams; Foundations; Plaster and plastering; Stereotomy; Stone; Stonecutting; Strength of materials; Vaulting; Walls  
Masons (secret order) *see* Freemasons

**Masquerades**

*See also* Balls (parties); Costume

**Masques (plays)****Mass**

*See also* Catholic church — Liturgy and ritual; Lord's supper; Masses (music); Missals; Transubstantiation

**Massacres**

*See also* names of massacres, e.g. Boston massacre; St. Bartholomew's day, Massacre of; Sicilian vespers; Wyoming massacre

**Massage**

*See also* Mechanotherapy; Swedish movement cure

**Masses (music)****Master and servant**

*See also* Apprentices; Domestic relations; Employers' liability; Servants

Mastersingers *see* Meistersingers

**Matches****Materia medica**

*See also* Dispensatories; Drugs, and names of drugs; Medical botany; Medicines, Proprietary; Pharmacy; Pharmacopoeias; Therapeutics

**Materialism**

*See also* Animism; Encyclopedists; Epicureans; Evolution; Philosophy; Rationalism; Soul; Stoics

Materials, Strength of, *see* Strength of materials

Maternity *see* Mothers

Mathematical drawing *see* Geometrical drawing; Mechanical drawing

Mathematical geography *see* Geography, Mathematical

**Mathematical instruments**

*See also* Calculating machines; Drawing instruments; Measuring instruments; Planimeter; Slide rule; Surveying instruments

Mathematical notation *see* Notation (mathematics)

**Mathematical recreations**

*See also* Magic squares

*Refer from* Catholic church; Immaculate conception; Jesus Christ; Madonna (s); Miracles; Virgin Mary (s)

*Refer from* Legends

*Refer from* Costume

*Refer from* Maryland — Boundaries; Pennsylvania — Boundaries; Slavery in the U. S.

*Refer from* Architecture; Bricklaying; Bricks; Bridges; Building; Building stones; Civil engineering; Concrete; Dams; Engineering; Foundations; Industrial arts; Stone; Strength of materials; Walls

*Refer from* Amusements; Balls (parties)

*Refer from* Drama; Masks (plays) (s); Theater

*Refer from* Altars; Catholic church; Catholic church — Liturgy and ritual; Eucharist (s); Liturgies; Lord's supper; Missals; Rites and ceremonies; Theology; Transubstantiation

*Refer from* Battles; History; Persecution

*Refer from* Mechanotherapy; Therapeutics

*Refer from* Church music; Mass; Music

*Refer from* Contracts; Domestic relations; Employers' liability; Law; Servants

*Refer from* Chemistry, Technical; Manufactures

*Refer from* Dispensatories; Drugs; Medical botany; Medicine; Medicines (s); Pharmacy; Pharmacopoeias; Remedies (in medicine) (s); Therapeutics

*Refer from* Animism; Atheism; Matter; Naturalism; Philosophy; Skepticism; Theology

*Refer from* Arithmetic; Arithmetical instruments (s); Instruments; Mathematics

*Refer from* Amusements; Mathematics; Scientific recreations



Mathematical tables *see* Mathematics —  
Tables, etc.

**Mathematicians**

**Mathematics**

*See also* Algebra; Arithmetic; Astronomy; Axioms; Calculating machines; Calculus; Conic sections; Engineering; Equations; Errors, Theory of; Fourth dimension; Geodesy; Geography, Mathematical; Geometry; Groups, Theory of; Least squares; Mathematical instruments; Mathematical recreations; Mathematicians; Mechanics; Mensuration; Metric system; Navigation; Notation (mathematics); Numbers; Numerals; Physics; Probabilities; Quaternions; Ready-reckoners; Surveying; Trigonometry

—Tables, etc.

*See also* Interest tables; Logarithms; Traverse tables

**Matriarchy**

Matrimony *see* Marriage

**Matter**

*See also* Atomic theory; Atoms; Capillarity; Compressibility; Dissociation; Dynamics; Elasticity; Electrons; Ether (of space); Force and energy; Gravitation; Hardness; Ions; Materialism; Molecules; Physics; Radioactivity; Solids; Specific gravity; Viscosity

Mausoleums *see* Tombs

**Maxims**

*See also* Epigrams; Proverbs; Quotations

**May day**

**Mayas**

*See also* Central America — Antiquities; Guatemala; Indians of Central America; Indians of Mexico; Mexico — Antiquities; Yucatan

Meadows *see* Pastures and meadows

Meals *see* Breakfasts; Dinners and dining; Eating; Food; Luncheons; Table

**Measles**

Measures *see* Mensuration; Weights and measures

**Measuring instruments**

*See also* Micrometer; Slide rule; Square (instrument)

**Meat**

*See also* Animal food; Beef; Carving (meat, etc.); Cold storage; Cookery — Meat; Meat inspection; Packing industry; Slaughtering and slaughterhouses

**Meat inspection**

*See also* Food adulteration and inspection; Slaughtering and slaughterhouses

Mechanic arts *see* Industrial arts

**Mechanical draft**

*See also* Blowing engines; Combustion; Fans, Mechanical; Smoke

*Refer from* Mathematics; Scientists

*Refer from* Algebra; Arithmetic; Conic sections; Geometry; Science; Trigonometry

*Refer from* Calculation — Aids (s); Logarithms; Mathematical tables (s); Ready-reckoners; Tables, Mathematical (s)

*Refer from* Family; Government; Mothers; Women

*Refer from* Atoms; Compressibility; Dynamics; Gravitation; Mechanics; Metaphysics; Philosophy; Physics; Viscosity

*Refer from* Adages (s); Aphorisms (s); Apothegms (s); Epigrams; Laconics (s); Literature; Proverbs; Quotations; Sayings (s)

*Refer from* Days; Festivals

*Refer from* Central America — Antiquities; Guatemala; Indians of Central America; Indians of Mexico; Mexico — Antiquities; Yucatan

*Refer from* Children — Diseases; Contagion and contagious diseases; Medicine — Practice

*Refer from* Mathematical instruments; Weights and measures

*Refer from* Animal food; Animal products; Beef; Food; Packing industry; Slaughtering and slaughterhouses

*Refer from* Food adulteration and inspection; Hygiene, Public; Inspection of meat (s); Meat; Packing industry; Slaughtering and slaughterhouses

*Refer from* Combustion; Draft, Mechanical (s); Draught, Mechanical (s); Fans, Me-





**Mechanical drawing**

*See also* Architectural drawing; Drafting room practice; Drawing instruments; Geometrical drawing; Graphic statics; Graphics; Lettering; Machine design; Pattern making; Perspective; Projection

**Mechanical engineering**

*See also* Boilers; Electric engineering; Engineering; Engines; Friction; Fuel; Hydraulic engineering; Locomotives; Lubrication and lubricants; Machine design; Machine shop practice; Machine tools; Machinery; Marine engineering; Mechanical draft; Mechanical movements; Mechanics; Mechanics, Applied; Power plants; Power transmission; Steam engines

Mechanical fans *see* Fans, Mechanical

**Mechanical movements**

*See also* Cams; Gearing; Kinematics; Link motion; Machine design; Machinery; Mechanical engineering; Mechanics; Pulleys

Mechanical painting *see* Painting, Mechanical

**Mechanics**

*See also* Aeronautics; Animal mechanics; Dynamics; Elasticity; Engineering; Fluids; Force and energy; Friction; Gases; Graphic statics; Hydraulics; Hydrodynamics; Hydrostatics; Kinematics; Liquids; Machinery; Matter; Mechanical movements; Motion; Motors; Perpetual motion; Physics; Power; Pulleys; Statics; Steam engines; Strength of materials

**—Applied**

*See also* Machine design; Mechanical engineering; Power transmission; Strains and stresses

**—Celestial**

*See also* Astronomy; Moon; Orbits; Perturbation; Planets

**Mechanics (persons)****Mechanics' institutes**

Mechanics' liens *see* Liens

Mechanism *see* Machinery; Mechanical movements

**Mechanotherapy**

*See also* Gymnastics, Medical; Massage; Osteopathy; Swedish movement cure

**Medals**

*See also* Decorations of honor; Numismatics

Mediaeval *see* Medieval

Medical anecdotes *see* Anecdotes, Medical

Medical biography *see* Physicians and surgeons

**Medical botany**

*See also* Botany, Economic; Dispensatories; Materia medica; Pharmacopoeias; Pharmacy; *also* names of medicinal plants, e.g. Ginseng

chanical; Furnaces; Mechanical engineering; Smoke

*Refer from* Architectural drawing; Drafting, Mechanical (s); Drafting room practice; Draughting, Mechanical (s); Drawing; Drawing instruments; Engineering; Geometrical drawing; Graphic statics; Graphics; Industrial drawing (s); Machine design; Mathematical drawing (s); Pattern making; Projection

*Refer from* Applied mechanics (s); Civil engineering; Engineering; Engineering, Mechanical (s); Engines; Industrial arts; Machine shop practice; Machinery; Mechanical movements; Mechanics, Applied; Power transmission

*Refer from* Gearing; Kinematics; Link motion; Machine design; Machinery; Mechanical engineering; Mechanics; Mechanism (s); Motion

*Refer from* Dynamics; Engineering; Fluids; Force and energy; Hydraulics; Hydrodynamics; Hydrostatics; Kinematics; Machinery; Mathematics; Mechanical engineering; Mechanical movements; Motion; Physics; Power; Statics

*Refer from* Applied mechanics (s); Engineering, Mechanical (s); Industrial arts; Mechanical engineering; Strains and stresses

*Refer from* Astronomy; Celestial mechanics (s); Orbits; Perturbation

*Refer from* Biography

*Refer from* Education; Industrial education; Labor and laboring classes; Libraries; Technical education

*Refer from* Gymnastics, Medical; Massage; Movement cure (s); Osteopathy; Swedish movement cure; Therapeutics

*Refer from* Archaeology; Badges of honor (s); Decorations of honor; History; Numismatics

*Refer from* Botany; Botany, Economic; Botany, Medical (s); Drugs; Herbs, Medicinal (s); Materia medica; Medicinal plants (s); Pharmacy; Plants, Medicinal (s); Poisonous plants



Medical charities *see* Charities, Medical  
Medical chemistry *see* Pharmacy; Physiological chemistry  
Medical climatology *see* Climate; Medical geography

**Medical colleges**

*See also* Medicine — Study and teaching

Medical education *see* Medical colleges; Medicine — Study and teaching

**Medical delusions**

*See also* Medical folklore; Medicine men;

Quacks and quackery

Medical directories *see* Physicians and surgeons

Medical electricity *see* Electrotherapeutics

**Medical ethics**

*See also* Physicians and surgeons

**Medical folklore**

*See also* Medical delusions

**Medical geography**

*See also* Climate; Tropics — Diseases and hygiene

Medical gymnastics *see* Gymnastics, Medical

**Medical inspection of schools**

*See also* School hygiene; School nurses

**Medical jurisprudence**

*See also* Autopsy; Chemistry, Legal; Expert evidence; Identification; Infanticide; Insanity; Malpractice; Poisons; Suicide; Survivorship

**Medical libraries**

Medical missions *see* Missions, Medical

Medical nomenclature *see* Medicine — Nomenclature

**Medical research**

*See also* Animal experimentation

Medical schools *see* Medical colleges

**Medical societies**

Medical superstition *see* Medical folklore

Medical terminology *see* Medicine — Nomenclature

Medicinal plants *see* Medical botany

**Medicine**

*See also* Accidents; Allopathy; Anatomy; Anecdotes, Medical; Anesthetics; Antiseptics; Autopsy; Bacteriology; Bible — Medicine, hygiene, etc.; Charities, Medical; Contagion and contagious diseases; Dentistry; Diagnosis; First aid in illness and injury; Germ theory of disease; Histology; Homeopathy; Hospitals; Hygiene; Hygiene, Public; Indians — Medicine; Inoculation; Invalids; Materia medica; Medicine and religion; Medicine men; Microscope and microscopy; Mind and body; Missions, Medical; Narcotics; Naval hygiene; Nurses and nursing; Pathology; Pharmacy; Physi-

*Refer from* Colleges and universities; Medical schools (s); Medical education (s); Medicine — Study and teaching

*Refer from* Delusions (s); Errors, Popular; Medical folklore; Medicine — History

*Refer from* Ethics; Ethics, Medical (s); Physicians and surgeons; Professional ethics (s)

*Refer from* Folklore; Folklore of medicine (s); Medical delusions; Medical superstition (s)

*Refer from* Climate; Geographical pathology (s); Geography; Geography, Medical (s); Medical climatology (s); Pathology; Tropics — Diseases and hygiene

*Refer from* Children — Care and hygiene; Hygiene; Hygiene, Public; School children; School hygiene; School nurses; Schools — Medical inspection (s)

*Refer from* Chemistry, Legal; Expert evidence; Forensic medicine (s); Insanity; Jurisprudence, Medical (s); Law; Legal medicine (s); Poisons

*Refer from* Libraries; Libraries, Medical (s)

*Refer from* Research; Scientific research

*Refer from* Societies

*Refer from* Homeopathy; Hygiene; Pathology; Physiology; Professions; Science; Surgery; Therapeutics



**Medicine**—Continued

cians and surgeons; Physiological chemistry; Physiology; Poisons; Quacks and quackery; Sanatoriums; Stimulants; Surgery; Therapeutics; Vaccination; Veterinary medicine; *also* headings beginning Medical

—Directories, *see* Physicians and surgeons

—**Eclectic**

—**History**

*See also* Epidemics; Medical delusions; Medicine, Medieval

—**Medieval**

*See also* Elixir of life

—**Military**

*See also* Battlefield relief; First aid in illness and injury; Military hygiene; Surgery, Military; *also* names of wars, subhead Medical and sanitary affairs

—**Nomenclature**

—**Practice**

*See also* Alcoholism; Apoplexy; Appendicitis; Asthma; Black death; Bones—Diseases; Bronchitis; Cancer; Catarrh; Children—Diseases; Cholera, Asiatic; Cold (disease); Contagion and contagious diseases; Croup; Deafness; Diabetes; Diagnosis; Diphtheria; Dyspepsia; Epilepsy; Erysipelas; Eye—Diseases and defects; Fever; Gout; Hay fever; Headache; Heatstroke; Hookworm disease; Hydrophobia; Hysteria; Idiocy; Influenza; Insanity; Insomnia; Leprosy; Malpractice; Measles; Meningitis; Mental diseases; Nervous system—Diseases; Neuralgia; Neurasthenia; Nurses and nursing; Obstetrics; Paralysis; Parasites; Pellagra; Plague; Pneumonia; Respiratory organs—Diseases; Rheumatism; Scarlet fever; Seasickness; Skin—Diseases; Sleeping sickness; Smallpox; Somnambulism; Surgery; Suspended animation; Tetanus; Therapeutics; Tropics—Diseases and hygiene; Tuberculosis; Tumors; Typhoid fever; Typhus fever; Varioloid; Voice; Women—Diseases; Yellow fever

—**Study and teaching**

*See also* Medical colleges

—Tropics, *see* Tropics—Diseases and hygiene

**Medicine and religion**

*See also* Emmanuel movement; Faith cure

**Medicine men**

*See also* Indians—Medicine

Medicines *see* Drugs; Materia medica; Medicines, Proprietary

**Medicines, Proprietary**

*Refer from* Eclectic medicine (s)

*Refer from* Medicine—History

*Refer from* Battlefield relief; Field hospitals (s); Military hygiene; Military medicine (s)

*Refer from* Medical nomenclature (s); Medical terminology (s); Names; Nomenclature (s); Terminology (s)

*Refer from* Clinical medicine (s); Diagnosis; Diseases (s); Pathology; Therapeutics; Women—Diseases

*Refer from* Education, Medical (s); Medical colleges; Medical education (s); Professional education

*Refer from* Church and healing (s); Emmanuel movement; Medicine; Religion and medicine (s)

*Refer from* Conjuring; Indians—Medicine; Medical delusions; Witchcraft

*Refer from* Drugs; Materia medica; Medicines (s); Patent medicines (s); Proprietary medicines (s); Quacks and quackery



Medieval architecture *see* Architecture, Medieval

Medieval art *see* Art, Medieval

Medieval civilization *see* Civilization, Medieval

Medieval history *see* Middle ages — History

Medieval literature *see* Middle ages — Literature

Medieval philosophy *see* Philosophy, Medieval

**Meditations**

*See also* Devotional exercises

Mediums *see* Spiritualism

Meetings, Public, *see* Public meetings

**Meistersingers**

*See also* German poetry; Minnesingers

**Melancholy**

**Melody**

*See also* Harmony

**Melting points**

Memoirs *see* Autobiography; Biography; *also* names of individuals

**Memorial day**

**Memory**

*See also* Association of ideas; Attention; Mental discipline; Psychology

**Men**

*See also* Bachelors; Gentlemen; Husbands; Man; Young men

**Menageries**

*See also* Circus; Vivariums; Zoological gardens

Mendelism *see* Mendel's law

**Mendel's law**

*See also* Hybridization

Mendicity *see* Begging

**Mending and repairing**

**Meningitis**

**Mennonites**

*See also* Anabaptists

**Mensuration**

*See also* Gaging; Geodesy; Metric system; Surveying; Weights and measures

Mental aberration *see* Insanity; Mental diseases

Mental arithmetic *see* Arithmetic

Mental association *see* Association of ideas

Mental culture *see* Mental discipline

Mental derangements *see* Insanity; Mental diseases

*Refer from* Devotional exercises; Reflections (s)

*Refer from* Bards; German poetry; Mastersingers (s); Minnesingers; Minstrels; Poets

*Refer from* Emotions; Mental diseases; Psychology; Temperament

*Refer from* Composition (music); Harmony; Music; Music — Theory

*Refer from* Chemistry, Physical; Heat; Temperature

*Refer from* Decoration day (s); Holidays; U. S. — History — Civil war

*Refer from* Association of ideas; Brain; Education; Intellect; Mental discipline; Mnemonics (s); Psychology; Psychology, Educational; Teaching

*Refer from* Man; Young men

*Refer from* Animals; Animals in captivity (s); Circus; Vivariums; Zoological gardens; Zoology

*Refer from* Botany; Breeding; Evolution; Heredity; Hybridization; Mendelism (s); Plant breeding; Variation (biology); Zoology

*Refer from* Darning (s); Needlework; Repairing (s)

*Refer from* Brain; Cerebrospinal meningitis (s); Medicine — Practice; Spinal meningitis (s); Spine

*Refer from* Amish Mennonites (s); Anabaptists; Baptists; Sects

*Refer from* Arithmetic; Civil engineering; Engineering; Geometry; Mathematics; Measures (s); Metrology (s); Trigonometry; Weights and measures





**Mental discipline**

*See also* Attention; Education; Memory; Psychology, Educational; Self-culture

*Refer from* Discipline, Mental (s); Education; Memory; Mental culture (s); Mental training (s); Mind training (s); Psychology, Educational; Self-culture; Thought and thinking

**Mental diseases**

*See also* Aphasia; Brain; Feeble-minded; Hysteria; Idiocy; Illusions and hallucinations; Insanity; Melancholy; Mental hygiene; Nervous system — Diseases; Suicide

*Refer from* Aberration, Mental (s); Abnormal psychology (s); Brain; Diseases (s); Hysteria; Illusions and hallucinations; Insanity; Medicine — Practice; Mental aberration (s); Mental derangements (s); Mental hygiene; Mental pathology (s); Nervous system — Diseases; Pathological psychology (s); Psychiatry (s); Psychology; Psychology, Pathological (s); Psychology, Physiological; Psychosis (s)

Mental exhaustion *see* Fatigue, Mental

Mental fatigue *see* Fatigue, Mental

**Mental healing**

*See also* Animal magnetism; Christian science; Emmanuel movement; Faith cure; Hypnotism; Mental hygiene; Mind and body; New thought; Suggestive therapeutics

*Refer from* Absent treatment (s); Christian science; Faith cure; Healing, Mental (s); Health thoughts (s); Hypnotism; Mental hygiene; Mental therapeutics (s); Metaphysical healing (s); Mind and body; Mind cure (s); Psychology; Psychotherapy (s); Suggestion; Suggestive therapeutics; Therapeutics

**Mental hygiene**

*See also* Fatigue, Mental; Mental diseases; Mental healing; Mind and body; New thought; Rest; Worry

*Refer from* Fatigue, Mental; Hygiene; Hygiene, Mental (s); Mental diseases; Mental healing; Mind and body; Psychology; Suggestion

Mental overwork *see* Fatigue, Mental

Mental pathology *see* Mental diseases

Mental philosophy *see* Philosophy; Psychology

Mental physiology *see* Brain; Mind and body;

Psychology, Physiological

Mental science *see* Psychology

Mental suggestion *see* Hypnotism; Suggestion

Mental therapeutics *see* Mental healing

Mental training *see* Mental discipline

Mentally deficient children *see* Children, Abnormal and backward; Defectives; Feeble-minded

**Menus**

*See also* Breakfasts; Catering; Dinners and dining; Luncheons; Table

*Refer from* Bills of fare (s); Breakfasts; Catering; Cookery; Diet; Dinners and dining; Eating; Entertaining; Home economics; Luncheons; Table

Mercantile law *see* Commercial law

Mercantile marine *see* Shipping

**Mercenary troops**

*Refer from* Armies; Military history; Soldiers

**Mercerization**

*Refer from* Cotton; Textile industry and fabrics

Merchandise *see* Commerce

Merchant marine *see* Shipping

**Merchants**

*See also* Business; Business ethics; Commerce; Commercial law; Commercial travelers; Peddlers and peddling

*Refer from* Biography; Business; Commerce

**Mercury**

*See also* Amalgams; Metals

*Refer from* Amalgamation; Amalgams; Metals; Mines and mineral resources; Quick-silver (s)



**Mercy**

Mesmerism *see* Animal magnetism; Hypnotism  
Mesozoic era *see* Geology, Stratigraphic —  
Mesozoic; Palaeontology — Mesozoic

**Messiah**

*See also* Jesus Christ; Jesus Christ —  
Messiahship

**Metabolism**

*See also* Absorption (physiology); Botany  
— Physiology; Digestion; Nutrition; Physi-  
ological chemistry; Physiology; Plants —  
Chemistry and nutrition

Metachrosis *see* Color of animals; Mimicry  
(biology)

**Metal coloring**

*See also* Bronzing; Coppersmithing; Gild-  
ing; Goldsmithing; Metal work; Silver-  
smithing

Metal corrosion *see* Corrosion and anti-cor-  
rosives

Metal protection *see* Corrosion and anti-  
corrosives

**Metal work**

*See also* Arts and crafts; Brasses; Bronzes;  
Coppersmithing; Cutlery; Damaskening;  
Dies; Goldsmithing; Hardware; Ironwork;  
Jewelry; Metal coloring; Pewter; Plate;  
Plate-metal work; Plating; Punching  
machinery; Repoussé work; Sheet-metal  
work; Silversmithing; Solder and soldering;  
Welding

Metalochromy *see* Metal coloring

**Metallography**

*See also* Alloys; Iron; Steel

**Metallurgy**

*See also* Alloys; Amalgamation; Assay-  
ing; Blast furnaces; Chemical engineering;  
Chemistry, Technical; Cyanide process;  
Electrometallurgy; Furnaces; Magnetic  
separation of ores; Metals; Ore treatment;  
Ores; Smelting; *also* names of metals

**Metals**

*See also* Alchemy; Alloys; Amalgams;  
Annealing; Assaying; Blowpipe; Chemistry,  
Inorganic; Corrosion and anti-corrosives;  
Foundry work; Geology, Economic; Hard-  
ware; Metal work; Metallography; Metal-  
lurgy; Mineralogy; Mines and mineral  
resources; Ore deposits; Ores; Pattern mak-  
ing; Periodic law; Precious metals; Slag;  
Smelting; Solder and soldering; Strength  
of materials; Welding; Wire; *also* names of  
metals and alloys, e.g. Aluminium; Brass;  
Bronze; Cobalt; Copper; Iron; Lead;  
Manganese; Mercury; Nickel; Platinum;  
Steel; Tin; Zinc

Metamorphic rocks *see* Rocks

**Metaphor**

*See also* Rhetoric

Metaphysical healing *see* Mental healing

*Refer from Ethics*

*Refer from* Jesus Christ; Jesus Christ —  
Messiahship; Jews; Jews — Religion

*Refer from* Absorption (physiology); Anab-  
olism (s); Assimilation (s); Biology; Botany  
— Physiology; Catabolism (s); Digestion;  
Katabolism (s); Nutrition; Physiological  
chemistry; Physiology; Plants — Chemistry  
and nutrition

*Refer from* Bronzing; Coloring of metals (s);  
Coppersmithing; Gilding; Goldsmithing; Iron-  
work; Metal work; Metalochromy (s);  
Plating; Silversmithing

*Refer from* Architecture; Arts and crafts;  
Decoration and ornament; Dies; Hardware;  
Industrial arts; Ironwork; Manufactures;  
Metal coloring; Metals; Plate-metal work;  
Repoussé work; Sheet-metal work

*Refer from* Alloys; Iron; Metals; Micro-  
graphic analysis (s); Microscope and micros-  
copy; Microscopic analysis (s); Steel

*Refer from* Alloys; Assaying; Chemical en-  
gineering; Chemistry; Chemistry, Technical;  
Cyanide process; Electrometallurgy; Fur-  
naces; Industrial arts; Metals; Ore treatment;  
Ores; Smelting; Technology

*Refer from* Aluminium; Chemical elements;  
Chemistry, Inorganic; Cobalt; Copper;  
Geology; Geology, Economic; Iron; Lead;  
Manganese; Manufactures; Mercury; Metal-  
lurgy; Mineralogy; Mines and mineral re-  
sources; Nickel; Ores; Platinum; Steel; Tin;  
Zinc

*Refer from Rhetoric*



**Metaphysics**

*See also* Absolute, The; Being; Belief; Causation; Consciousness; Force and energy; Infinite; Knowledge; Life; Matter; Monadology; Monism; Necessity; New thought; Personality; Philosophy; Pluralism; Psychology; Reality; Soul; Space; Teleology; Time; Universe

Metempsychosis *see* Transmigration

**Meteoritic hypothesis**

*See also* Meteors; Nebulae

**Meteorites**

*See also* Meteors

**Meteorological instruments**

*See also* Anemometer; Barometer; Thermometer

**Meteorological observatories**

*See also* Meteorology — Observations

**Meteorology**

*See also* Air; Atmospheric electricity; Atmospheric nucleation; Auroras; Climate; Clouds; Cold; Cyclones; Dew; Droughts; Evaporation; Floods; Fog; Frost; Hail; Heat; Humidity; Hurricanes; Hygrometry; Ice; Lightning; Meteorological instruments; Ocean; Physical geography; Rain; Rainbow; Seasons; Snow; Storms; Sun spots; Temperature; Thunderstorms; Tornadoes; Waterspouts; Weather; Weather forecasts; Weather lore; Winds; *also* names of countries, subhead Meteorology

**—Observations**

*See also* Meteorological observatories

**—U. S.**

*See also* U. S. — Climate

**Meteors**

*See also* Astronomy; Meteorites; Meteoritic hypothesis

**Meter**

*See also* Poetry; Prosody; Rhythm; Versification

Meters *see* Electric meters; Gas meters; Water meters; Wattmeter; etc.

**Methodism**

*See also* Episcopacy; Methodist Episcopal church; Wesleyan Methodist church

**Methodist Episcopal church**

*See also* Bishops; Methodism

Metre *see* Meter

**✓Metric system**

*See also* Decimal system; Weights and measures

Metrology *see* Mensuration; Weights and measures

Mexican boll weevil *see* Boll weevil

Mexican cotton-boll weevil *see* Boll weevil

Mexican war, 1846–1848, *see* U. S. — History

— War with Mexico

Mezzotint *see* Engraving

*Refer from* Absolute, The; Being; Causation; Epistemology (s); God; Infinite; Knowledge; Monism; Ontology (s); Philosophy; Psychology; Reality; Teleology; Universe

*Refer from* Astronomy; Meteors; Nebulae; Solar system; Universe

*Refer from* Aerolites (s); Astronomy; Meteors

*Refer from* Anemometer; Barometer; Instruments; Meteorology; Thermometer

*Refer from* Meteorology — Observations; Observatories, Meteorological (s)

*Refer from* Aerology (s); Air; Atmosphere (s); Climate; Clouds; Earth; Floods; Fog; Humidity; Physical geography; Physics; Rain; Science; Sky (s); Snow; Storms; Temperature; Water; Waterspouts; Weather; Winds

*Refer from* Meteorological observatories; Observations, Meteorological (s)

*Refer from* U. S. — Climate; U. S. — Meteorology (s)

*Refer from* Astronomy; Falling stars (s); Fire balls (s); Meteorites; Meteoritic hypothesis; Shooting stars (s); Stars

*Refer from* Metre (s); Poetry; Prosody; Rhythm; Versification

*Refer from* Church polity; Dissenters; Episcopacy; Methodist Episcopal church

*Refer from* Episcopal church (s); Methodism; Sects; Wesleyans (s)

*Refer from* Arithmetic; Decimal system; Mathematics; Mensuration; Units; Weights and measures



**Mica**  
**Mice**

*See also* Rodents

Microbes *see* Bacteriology; Fungi  
**Microchemistry**

Micrographic analysis *see* Metallography;  
Microscope and microscopy

**Micrometer**

Micro-organisms *see* Animalcules; Bacteriology

**Microphone**

Microphotography *see* Photomicrography

**Microscopy and microscopy**

*See also* Bacteriology; Histology; Metallography; Microchemistry; Photomicrography

Microscopic analysis *see* Metallography; Microscope and microscopy

Microscopic anatomy *see* Histology

Microscopy *see* Microscope and microscopy

**Middle ages**

*See also* Chivalry; Feudalism; Fifteenth century; Inquisition; Manors; Monasticism; Renaissance

—Architecture, *see* Architecture, Medieval

—Art, *see* Art, Medieval

—Civilization, *see* Civilization, Medieval

—History

*See also* Byzantine empire; Church history — Middle ages; Crusades; Hanseatic league; Holy Roman empire; Moors in Spain; Northmen; Teutonic knights

—Literature

*See also* Anglo-Saxon literature; Arthurian romances; Charlemagne — Romances; English literature — History and criticism — Middle English

—Social life and customs

*See also* Chivalry

Middle English language *see* English language — Middle English

Middle English literature *see* English literature — History and criticism — Middle English

**Middle states**

*See also* Cumberland road; Northwest Territory, U. S.; *also* names of states

Midwifery *see* Obstetrics

Migration of animals *see* Animals — Migration

Migration of birds *see* Birds — Migration

**Migration of nations**

*See also* Anthropogeography; Anthropology; Barbarian invasions of Rome; Ethnology; Immigration and emigration

Migration of plants *see* Plants — Migration

**Mildew**

*See also* Fungi; Plants — Diseases

**Militarism**

*See also* Armies; Disarmament; Navies; Peace; War

*Refer from* Isinglass (s); Mineralogy

*Refer from* Household pests; Mouse (s); Rodents

*Refer from* Chemistry; Chemistry — Analysis; Microscope and microscopy

*Refer from* Measuring instruments; Surveying instruments

*Refer from* Electricity; Telephone

*Refer from* Animalcules; Bacteriology; Biology; Botany; Histology; Medicine; Micrographic analysis (s); Microscopic analysis (s); Microscopy (s); Natural history; Optical instruments; Photomicrography; Science; Zoology

*Refer from* Archaeology; Chivalry; Dark ages (s); Feudalism; Renaissance

*Refer from* Byzantine empire; Church history — Middle ages; Crusades; Europe — History — 476-1492 (s); Hanseatic league; History; History, Medieval (s); Holy Roman empire; Medieval history (s)

*Refer from* Literature, Medieval (s); Medieval literature (s)

*Refer from* Central states (s); Northwest Territory, U. S.

*Refer from* Anthropogeography; Anthropology; Barbarian invasions of Rome; Civilization; Ethnology; Europe — History — To 476; History; Immigration and emigration

*Refer from* Fungi; Plants — Diseases

*Refer from* Armies; Disarmament; International relations; Navies; Peace; War





Military aeronautics *see* Aeronautics, Military  
**Military architecture**

*See also* Armories; Arsenal; Barracks;  
Castles; Fortification; Military engineering

**Military art and science**

*See also* Aeronautics, Military; Ammunition; Archery; Armies; Arms and armor; Artillery; Artillery drill and tactics; Battles; Bounties, Military; Bugle calls; Camps (military); Cavalry; Cavalry drill and tactics; Chariots; Coast defense; Concentration camps; Conscript; Disarmament; Drill (military); Explosives; Fencing; Firearms; Flags; Fortification; Guerrillas; Gunnery; Hospitals, Military; Imaginary wars and battles; Infantry; Infantry drill and tactics; Martial law; Militia; Mines, Military; Naval art and science; Ordnance; Prisoners of war; Projectiles; Railroads, Military; Rifle practice; Scouts and scouting; Sieges; Signals; Soldiers; Spies; Tactics; Target practice; Tents; Torpedoes; War; War games; *also* headings beginning Military

**Military biography**

*See also* Generals; Soldiers

Military bounties *see* Bounties, Military

**Military bridges**

Military costume *see* Arms and armor; Uniforms

**Military education**

**Military engineering**

*See also* Coast defense; Engineering; Fortification; Military architecture; Military bridges; Mines, Military; Railroads, Military

**Military government**

*See also* Martial law

**Military history**

*See also* Battles; History; Mercenary troops; Military biography; Naval history; Sieges; *also* names of wars, battles, places besieged, generals, etc., and names of countries, subheads Army, and History, Military

Military hospitals *see* Hospitals, Military

**Military hygiene**

*See also* Battlefield relief; Medicine, Military; Naval hygiene; Surgery, Military; *also* subhead Medical and sanitary affairs under particular wars

**Military law**

*See also* Courts martial; International law; Martial law; Mutiny

Military life *see* Army life

**Military maneuvers**

*See also* War games; Tactics

Military medicine *see* Medicine, Military

**Military music**

*See also* Bands (music); Bugle calls; Instrumentation and orchestration

*Refer from* Architecture; Architecture, Military (s); Armories; Arsenal; Barracks; Castles; Fortification; Military engineering

*Refer from* Armies; Army (s); Artillery; Cavalry; Drill (military); Fighting (s); Infantry; Military power (s); Military science (s); Ordnance; Science; Sieges; Soldiers; Strategy (s); Tactics; War

*Refer from* Biography; Generals; Military history; Soldiers

*Refer from* Bridges; Military engineering

*Refer from* Education; Education, Military (s); Military schools (s); Military training (s)

*Refer from* Engineering; Engineering, Military (s); Military architecture; Mines, Military

*Refer from* Colonies and colonization; Government; Martial law

*Refer from* Battles; History; History, Military (s); Naval history; Wars (s)

*Refer from* Armies; Battlefield relief; Hygiene; Hygiene, Military (s); Hygiene, Public; Medicine, Military; Naval hygiene; Occupations — Diseases and hygiene; Sanitation

*Refer from* Courts martial; International law; Law; Martial law

*Refer from* Armies; Maneuvers, Military (s); Manoeuvres, Military (s); Tactics; War games

*Refer from* Bands (music); Bugle calls; Instrumental music; Martial music (s); Music

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- Military power** *see* Armies; Disarmament;  
 Military art and science; Navies; Sea power  
**Military railroads** *see* Railroads, Military  
**Military schools** *see* Military education  
**Military science** *see* Military art and science  
**Military service**  
*See also* Conscription; Recruiting and enlistment  
 Military surgery *see* Surgery, Military  
 Military tactics *see* Tactics  
 Military training *see* Military education  
 Military trials *see* Courts martial  
 Military uniforms *see* Uniforms  
**Militia**  
*See also* Naval militia; *also* names of states and countries, subhead Militia  
**Milk**  
*See also* Butter; Cheese; Cows; Cream; Cream separators; Dairy bacteriology; Dairy products; Dairying; Kumiss; Milk supply; Milking  
**Milk supply**  
**Milking**  
*See also* Dairying  
**Milky way**  
*See also* Astronomy  
 Millennial church *see* Shakers  
**Millennium**  
*See also* Christadelphians; Future life; Jesus-Christ; Second advent  
 Millerites *see* Second adventists  
**Millinery**  
*See also* Artificial flowers; Costume; Feathers; Hats; Headgear  
 Milling (flour) *see* Flour and flour mills  
**Milling machines**  
*See also* Machine tools  
**Millionaires**  
*See also* Capitalists and financiers; Wealth  
**Mills and millwork**  
*See also* Factories; Flour and flour mills; Machinery; Manufactures; Rolling mills; Sawmills; Scientific management; Textile factories  
**Mimicry**  
*See also* Caricature and cartoons; Imitation  
**Mimicry (biology)**  
*See also* Animals — Habits and behavior; Color of animals  
**Mind** *see* Intellect; Psychology  
**Mind and body**  
*See also* Brain; Christian science; Dreams; Dualism; Emmanuel movement; Ennui; Fatigue, Mental; Hypnotism; Inhibition; Insanity; Mental healing; Mental hygiene; Monism; Nervous system; New thought; Phrenology; Psychology; Physiology, Physiological; Subconsciousness; Suggestion; Worry  
**Mind cure** *see* Mental healing  
**Mind in animals** *see* Animal intelligence  
*Refer from* Armies; Army life; Conscription; Recruiting and enlistment  
*Refer from* Armies; Military art and science  
*Refer from* Beverages; Cows; Cream; Dairy products; Dairying; Food  
*Refer from* Food adulteration and inspection; Hygiene, Public; Milk  
*Refer from* Cows; Dairying; Milk  
*Refer from* Astronomy; Galaxy (s); Stars  
*Refer from* Eschatology; Future life; Jesus Christ; Second advent; Theology  
*Refer from* Costume; Domestic arts; Hats; Headgear  
*Refer from* Machine tools; Machinery  
*Refer from* Biography; Capitalists and financiers; Fortunes (s); Wealth  
*Refer from* Architecture; Factories; Industrial arts; Machinery; Manufactures  
*Refer from* Caricature and cartoons; Imitation  
*Refer from* Animals; Animals — Habits and behavior; Biology; Color of animals; Evolution; Metachrosis (s); Protective mimicry (s)  
*Refer from* Body and mind (s); Brain; Dualism; Hygiene; Hypnotism; Insanity; Medicine; Mental healing; Mental hygiene; Mental physiology (s); Monism; Nervous system; Philosophy; Physiology; Psychology; Psychology, Physiological



**Mind reading**

*See also* Clairvoyance; Hypnotism; Psychological research; Thought transference

Mind training *see* Mental discipline

**Mine accidents**

*See also* Fire damp; Mine fires; Safety lamps; *also* names of special mine disasters

Mine explosions *see* Mine accidents; Mine fires

**Mine fires**

*See also* Fire damp; Mine accidents; Safety lamps

Mine labor *see* Miners

Mine planting *see* Mines, Military

**Mine surveying****Mine ventilation**

*See also* Fire damp

Mineral lands *see* Mines and mineral resources; Ore deposits

Mineral oils *see* Oils and fats; Petroleum

Mineral resources *see* Mines and mineral resources

Mineral springs *see* Mineral waters

**Mineral waters**

*See also* Beverages; Geology, Economic; Health resorts; Sanatoriums; Sulphur springs

**Mineralogy**

*See also* Abrasives; Assaying; Blowpipe; Crystallography; Gems; Geochemistry; Geology; Hardness; Metals; Mines and mineral resources; Ores; Precious stones; Rare earths; Rocks; Stone; *also* names of minerals, e.g. Asbestos, Coal, Diamonds, Mica

Minerals *see* Mineralogy; Mines and mineral resources; Ores

**Miners****Mines, Military**

*See also* Blasting; Explosives; Military engineering; Mines, Submarine

**Mines, Submarine**

*See also* Torpedoes

**Mines and mineral resources**

*See also* Coal mines and mining; Copper mines and mining; Geology, Economic; Gold mines and mining; Hydraulic mining; Iron mines and mining; Lead mines and mining; Mercury; Metals; Mine accidents; Mine fires; Mine surveying; Mine ventilation; Mineralogy; Miners; Mining engineering; Mining laws; Mining machinery;

*Refer from* Clairvoyance; Psychical research; Psychology; Spiritualism; Telepathy (s); Thought transference

*Refer from* Accidents; Coal mines and mining; Disasters; Explosions; Fire damp; Mine explosions (s); Mine fires; Mines and mineral resources; Mining accidents (s); Occupations, Dangerous; Safety lamps

*Refer from* Fire damp; Fires; Mine accidents; Mine explosions (s); Mines and mineral resources; Safety lamps

*Refer from* Mines and mineral resources; Mining engineering; Surveying

*Refer from* Fire damp; Mines and mineral resources; Mining engineering; Ventilation; Ventilation of mines (s)

*Refer from* Beverages; Geochemistry; Geology, Economic; Health resorts; Hydrotherapy; Mineral springs (s); Springs; Sulphur springs; Therapeutics; Water

*Refer from* Blowpipe; Chemical geology (s); Chemistry; Chemistry — Analysis; Chemistry, Inorganic; Crystallography; Diamonds; Geochemistry; Geology; Metals; Minerals (s); Mines and mineral resources; Natural history; Ores; Precious minerals (s); Rare earths; Rocks; Science

*Refer from* Coal mines and mining; Labor and laboring classes; Mine labor (s); Mines and mineral resources; Mining life (s)

*Refer from* Blasting; Explosives; Fortification; Military art and science; Military engineering; Mine planting (s); Sieges; Tunnels

*Refer from* Coast defense; Mines, Military; Naval art and science; Submarine mines (s); Submarine warfare; Torpedoes

*Refer from* Conservation of resources; Earth; Geology, Economic; Hydraulic mining; Metals; Mineral lands (s); Mineral resources (s); Mineralogy; Minerals (s); Mining (s); Natural resources; Ore deposits; Ores; Precious minerals (s); Prospecting; Quarries and quarrying



**Mines and mineral resources** — Continued  
Natural resources; Ore deposits; Ores;  
Precious metals; Prospecting; Quarries and  
quarrying; Salt; Shaft sinking; Silver mines  
and mining; Sulphur; Tin; Zinc  
— U. S.

**Miniature painting**

Mining *see* Mines and mineral resources;  
Mining engineering

Mining accidents *see* Mine accidents

**Mining engineering**

*See also* Blasting; Boring; Explosives;  
Electricity in mining; Hydraulic mining;  
Mine surveying; Mine ventilation; Mining  
machinery; Mining schools and education;  
Rock drills; Shaft sinking; Tunnels

**Mining laws**

Mining life *see* Miners

**Mining machinery**

*See also* Conveying machinery; Electricity  
in mining; Excavating machinery; Hoisting  
machinery; Rock drills

**Mining schools and education**

**Ministers of state**

*See also* Ambassadors; Chancellors, Lord;  
Diplomacy; International law; International  
relations; Prime ministers; Treaties  
Ministers of the gospel *see* Clergy; Preachers;  
Priests

**Minnesingers**

*See also* German poetry; Meistersingers

Minorites *see* Franciscans

Minority representation *see* Proportional rep-  
resentation

**Minstrel shows**

**Minstrels**

*See also* Bards; Meistersingers; Minne-  
singers; Troubadours; Trouvères; Way-  
faring life

**Mints**

*See also* Coinage

Miocene period *see* Geology, Stratigraphic —  
Miocene; Paleontology — Miocene

**Miracle, morality and mystery plays**

*See also* Drama; Passion plays

**Miracles**

*See also* Christianity — Evidences; Holy  
wells; Jesus Christ — Miracles; Mary, Vir-  
gin; Relics; Saints; Shrines; Spiritualism;  
Supernatural

**Mirage**

**Mirrors**

**Misers**

*See also* Avarice

*Refer from* U. S. — Industries and resources;  
U. S. — Mines and mineral resources (s)

*Refer from* Art; Painting; Portrait painting

*Refer from* Blasting; Civil engineering;  
Coal mines and mining; Electricity in mining;  
Engineering; Engineering, Mining (s); Hy-  
draulic engineering; Mines and mineral re-  
sources; Mining (s); Shaft sinking; Tunnels

*Refer from* Labor laws; Law; Mines and  
mineral resources

*Refer from* Conveying machinery; Electricity  
in mining; Excavating machinery; Hoisting  
machinery; Machinery; Mines and mineral  
resources; Mining engineering; Rock drills

*Refer from* Mining engineering; Technical  
education

*Refer from* Biography; Statesmen

*Refer from* Bards; German poetry; Lyric  
poetry; Meistersingers; Minstrels; Poetry;  
Poets

*Refer from* Amusements; Negro minstrels (s);  
Theater

*Refer from* Bards; Poets; Wayfaring life

*Refer from* Coinage; Money

*Refer from* Drama; English drama; Morality  
plays (s); Mysteries (dramatic) (s); Mystery  
plays (s); Passion plays; Theater

*Refer from* Bible; Catholic church; Christian-  
ity; Christianity — Evidences; Church history;  
Divine healing (s); Faith cure; Jesus Christ;  
Relics; Religion; Shrines; Supernatural; The-  
ology

*Refer from* Deserts; Optical illusions

*Refer from* Aberration; Furniture; Glass  
manufacture; Looking-glasses (s)

*Refer from* Avarice; Thrift; Wealth





**Misfortune**

*See also* Affliction  
 Misrepresentation *see* Fraud

**Missals**

*See also* Catholic church — Liturgy and ritual; Liturgies; Mass

**Missing link****Missionaries**

*See also* Christian biography; Missions; Student volunteer movement

**Missionary societies****Missions**

*See also* Bible — Publication and distribution; Conversion; Evangelistic work; Indians — Missions; Missionaries; Missionary societies; Revivals; Student volunteer movement; Tract societies; *also* names of churches and religious orders, subhead Missions, e.g. Catholic church — Missions; Church of England — Missions; Jesuits — Missions

**— Foreign**

*See also* Missions, Medical; Student volunteer movement

**— Home**

*See also* City missions; Indians — Missions

**— Medical****— Seamen****Missouri compromise**

*See also* Kansas-Nebraska bill; U. S. — History — 1815-1861

Mistakes *see* Blunders; Errors, Popular;

Errors and blunders, Literary

Mitosis *see* Karyokinesis

Mnemonics *see* Memory

Mobs *see* Crowds; Lynch law; Riots

Mock trials *see* Moot courts

**Modeling**

*See also* Arts and crafts; Plaster casts; Sculpture

Modern history *see* History, Modern

Modern philosophy *see* Philosophy, Modern

**Modernism****Modulation**

*See also* Harmony

Moghul empire *see* Mogul empire

**Mogul empire**

*See also* India — History

Mohammedan architecture *see* Architecture, Mohammedan

**Mohammedanism**

*See also* Arabs; Babism; Caliphs; Dervishes; Koran; Mecca; Moors; Moors in Spain; Mosques; Panislamism; Saracens; Sufism; Turkey — History; Wahabis

*Refer from* Adversity (s); Affliction; Trouble (s)

*Refer from* Catholic church — Liturgy and ritual; Church music; Illumination of manuscripts and books; Liturgies; Mass

*Refer from* Evolution; Man — Origin and antiquity

*Refer from* Christian biography; Evangelists (s); Heroes; Missions

*Refer from* Missions; Societies

*Refer from* Christianity; Church extension (s); Church history; Church work; Conversion; Evangelistic work; Missionaries; Religion

*Refer from* Foreign missions (s)

*Refer from* Home missions (s)

*Refer from* Charities, Medical; Medical missions (s); Medicine; Missions, Foreign

*Refer from* Fishermen; Sailors; Sailors' missions (s); Seamen's missions (s)

*Refer from* Missouri — History; Slavery in the U. S.; U. S. — History — 1815-1861

*Refer from* Arts and crafts; Clay; Clay modeling (s); Manual training; Plaster casts; Sculpture

*Refer from* Bible — Criticism and interpretation; Catholic church; Liberalism; Religion and science; Theology

*Refer from* Harmony; Music; Music — Theory

*Refer from* India — History; Moghul empire (s); Mongols

*Refer from* Arabs; Babism; Caliphs; Dervishes; Islam (s); Koran; Mohammedanism (s); Moors; Moslems (s); Muhammedanism (s); Muslims (s); Musselmans (s); Polygamy; Religions; Saracens; Sufism; Wahabis

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

Moisture of soils *see* Soil moisture

Moisture of the air *see* Humidity

**Molasses**

*See also* Sorghum

**Mold**

*See also* Fungi

—Vegetable, *see* Soils

Molding *see* Foundry work

**Moldings**

*See also* Architecture

**Molecules**

*See also* Atoms; Chemistry; Chemistry, Physical; Physics; Stereochemistry

**Mollusks**

*See also* Bivalves; Cephalopoda; Gasteropoda; Invertebrates; Marine zoology; Oysters; Pearls

—Fossil

Monachism *see* Monasticism

Monadism *see* Monadology

**Monadology**

Monads (philosophy) *see* Monadology

Monarchs *see* Kings and rulers

**Monarchy**

*See also* Coronations; Courts and courtiers; Democracy; Despotism; Divine right of kings; Emperors; Government; Kings and rulers; Princes and princesses; Queens and empresses; Regency; Tyranny

**Monasteries**

*See also* Abbeys; Convents and nunneries; Monasticism

Monastic orders *see* Monasticism; Religious orders

**Monasticism**

*See also* Asceticism; Augustinians; Benedictines; Brotherhoods; Buddhism; Capuchins; Carthusians; Celibacy; Cistercians; Convents and nunneries; Dominicans; Franciscans; Jesuits; Monasteries; Nuns; Religious orders; Sisterhoods; Trappists

**Money**

*See also* Bank notes; Banks and banking; Bimetallism; Business; Capital; Checks; Coinage; Commerce; Counterfeits; Credit; Decimal system; Exchange; Finance; Foreign exchange; Gold (as money); Greenbacks; Interest; Investments; Legal tender; Mints; Numismatics; Paper money; Prices; Shell money; Silver (as money); Stock exchange; Wampum; Wealth

*Refer from* Sorghum; Sugar; Syrups; Treacle (s)

*Refer from* Fungi; Mould (s)

*Refer from* Architecture; Carpentry; Decoration and ornament; Mouldings (s)

*Refer from* Atoms; Chemistry; Chemistry, Physical; Matter; Physics

*Refer from* Bivalves; Cephalopoda; Conchology (s); Gasteropoda; Invertebrates; Malacology (s); Marine zoology; Shells (conchology) (s)

*Refer from* Fossil mollusks (s); Invertebrates, Fossil; Paleontology

*Refer from* Metaphysics; Monadism (s); Monads (philosophy) (s); Philosophy; Universe

*Refer from* Constitutional law; Democracy; Despotism; Divine right of kings; Executive power; Government; Kings and rulers; Kingship (s); Magistrates; Princes and princesses; Queens and empresses; Royalty (s); Rulers (s); Sovereigns (s)

*Refer from* Abbeys; Catholic church; Church property; Cloisters (s); Convents and nunneries; Monasticism

*Refer from* Asceticism; Augustinians; Benedictines; Brotherhoods; Capuchins; Carthusians; Catholic church; Catholic church — Clergy; Celibacy; Christian biography; Christian life and character; Church discipline; Church history; Church polity; Cistercians; Clergy; Convents and nunneries; Dominicans; Franciscans; Friars (s); Middle ages; Monachism (s); Monasteries; Monastic orders (s); Monks (s); Orders, Monastic (s); Religion; Religious orders

*Refer from* Banks and banking; Bills of credit (s); Bills of exchange (s); Bimetallism; Bullion (s); Business; Capital; Coinage; Commerce; Counterfeits; Credit; Currency (s); Economics; Exchange; Finance; Foreign exchange; Gold (as money); Legal tender; Numismatics; Paper money; Precious metals; Silver (as money); Specie (s); Standard of value (s); Stock exchange; Value; Wealth

1. 2. 3. 4.

**Money** — Continued

**—U. S.**

*See also* Banks and banking — U. S.;  
Coinage — U. S.; Greenbacks

*Refer from* Coinage — U. S.; Greenbacks;  
Resumption of specie payment (s); Specie  
payment (s); Silver question (s); U. S.—  
Currency question (s); U. S.—Economic  
conditions; U. S.—Finance; U. S.—Money (s)

**Mongols**

*See also* China — History; Mogul empire;  
Mongolia; Tartars

*Refer from* China — History; Mongolia;  
Tartars; Yellow races

**Monism**

*See also* Metaphysics; Mind and body;  
Pantheism

*Refer from* Dualism; Metaphysics; Mind  
and body; Pantheism; Philosophy; Universe

**Monkeys**

*See also* Apes; Gorillas; Primates

*Refer from* Apes; Primates

Monks *see* Hermits; Monasticism

**Monograms**

*See also* Artists' marks; Initials; Letter-  
ing

*Refer from* Decoration and ornament;  
Initials; Lettering

**Monologues**

*See also* Recitations and readings

*Refer from* Amateur theatricals; Drama;  
Impersonation (s); Recitations and readings

Monoplanes *see* Aeroplanes

**Monopolies**

*See also* Capital; Competition; Govern-  
ment ownership; Municipal ownership;  
Privileged classes; Restraint of trade;  
Trusts

*Refer from* Capital; Commerce; Competi-  
tion; Corners, Commercial (s); Economics;  
Forestalling (s); Privileged classes; Re-  
straint of trade; Trusts

Monorailways *see* Railroads — Single rail;  
Suspended railways

**Monotheism**

*See also* God

*Refer from* God; Theology

Monotype *see* Typesetting machines

**Monroe doctrine**

*See also* Drago doctrine; Intervention

*Refer from* International law; International  
relations; Intervention; Latin America; U. S.  
— Foreign relations

**Monsters**

*See also* Deformities; Dragons; Dwarfs;  
Giants; Sea serpents

*Refer from* Deformities; Man; Monstrosi-  
ties (s); Physiology; Teratology (s); Zoology

Monstrosities *see* Monsters

**Months**

*See also* Seasons; Year; *also* names of  
months

*Refer from* Year

Monumental brasses *see* Brasses

**Monuments**

*See also* Archaeology; Arches of triumph;  
Brasses; Cromlechs; Inscriptions; Obelisks;  
Pyramids; Sculpture; Soldiers' monuments;  
Statues; Tombs; Tombstones; *also* names  
of cities, subhead Monuments

*Refer from* Archaeology; Burial; Sculpture;  
Statues; Tombs; Tombstones

**Moon**

*See also* Astronomy; Eclipses; Occulta-  
tions; Tides

*Refer from* Astronomy; Eclipses; Lunar  
theory (s); Mechanics, Celestial; Planets;  
Satellites; Tides

Moorish architecture *see* Architecture, Mo-  
hammedan

**Moors**

*See also* Algeria; Arabs; Mohammedanism;  
Morocco; Saracens

*Refer from* Algeria; Arabs; Mohammedanism;  
Morocco; Saracens

**Moors in Spain**

*See also* Spain — History — To 1479

*Refer from* Arabs in Spain (s); Middle  
ages — History; Mohammedanism; Moris-  
cos (s); Spain — History — To 1479

**Moot courts**

*Refer from* Courts; Mock trials (s)

metaphor - called

**Moraines**

*See also* Boulders; Drift; Glaciers; Physical geography  
Moral conditions *see* names of countries and cities, subhead Moral conditions

**Moral education**

*See also* Character; Children — Management; Religious education

Moral philosophy *see* Ethics

Morality *see* Ethics

Morality plays *see* Miracle, morality and mystery plays

Morals *see* Ethics, and names of countries, subhead Moral conditions

Morasses *see* Marshes

**Moravians**

Moriscos *see* Moors in Spain

**Mormons and Mormonism**

*See also* Salt Lake City; Utah

Morphia *see* Morphine

**Morphine**

*See also* Narcotic habit; Narcotics; Opium

**Morphology**

*See also* Anatomy; Biology; Botany, Structural; Cells; Embryology; Histology

Morphology of plants *see* Botany, Structural

**Morris dance**

*See also* Dancing

**Mortality**

*See also* Death; Vital statistics

Mortar *see* Cement

**✓ Mortgages**

*See also* Investments; Real estate; Securities

**Mortmain**

Mortuary customs *see* Burial; Cremation; Death; Embalming; Funeral rites and ceremonies; Indians — Mortuary customs; Urn burial

**Mosaic law**

*See also* Antinomianism; Commandments; Bible — Old Testament — Deuteronomy; Bible — Old Testament — Leviticus; Jews — Law

**Mosaics**

*See also* Arts and crafts; Inlay; Mural painting and decoration

Moslems *see* Mohammedanism

**Mosques**

*See also* Architecture, Mohammedan; Architecture, Oriental

*Refer from* Boulders; Drift; Geology; Glaciers; Physical geography

*Refer from* Children — Management; Education; Education, Moral (s); Ethical education (s); Ethics; Religious education

*Refer from* Bohemian brethren (s); Herrnhuters (s); Sects; Unitas fratrum (s); United brethren (s)

*Refer from* Church of Christ of latter-day saints (s); Church of Jesus Christ of latter-day saints (s); Latter-day saints (s); Polygamy; Religions; Salt Lake City; Sects; Utah

*Refer from* Alkaloids; Morphia (s); Narcotic habit; Narcotics; Opium

*Refer from* Anatomy; Anatomy, Comparative; Biology; Comparative morphology (s); Organography (s); Physiology

*Refer from* Dancing; England — Social life and customs

*Refer from* Death; Death rate (s); Vital statistics

*Refer from* Chattel mortgages (s); Commercial law; Contracts; Conveyancing; Forms (in law); Incumbrances (s); Investments; Land titles; Law; Liens; Loans; Negotiable instruments; Property; Real estate; Securities

*Refer from* Charities; Land tenure; Law; Legacies; Trustees

*Refer from* Bible — Old Testament — Deuteronomy; Bible — Old Testament — Leviticus; Commandments; Jews — Law; Jews — Religion; Law

*Refer from* Art; Arts and crafts; Decoration and ornament; Floors; Inlay; Mural painting and decoration; Pavements

*Refer from* Architecture; Architecture, Mohammedan; Architecture, Oriental; Church architecture; Mohammedanism; Temples





**Mosquitoes**

*See also* Diptera; Insects as carriers of contagion; Malaria; Yellow fever

*Refer from* Contagion and contagious diseases; Diptera; Household pests; Insects, Injurious and beneficial; Insects as carriers of contagion; Malaria; Yellow fever

Moss *see* Mosses

**Mosses**

*See also* Algae; Cryptogams; Lichens

*Refer from* Bryology (s); Bryophytes (s); Cryptogams; Moss (s)

Most favored nation clause *see* Commercial treaties

Motherhood *see* Mothers

**Mothers**

*See also* Children; Home; Matriarchy; Parents; Women

*Refer from* Children; Family; Home; Love; Maternity (s); Motherhood (s); Parents; Wives; Women

**Mothers' clubs**

*See also* Child study; Women's clubs

*Refer from* Child study; Clubs; Social settlements; Women's clubs

**Moths**

*See also* Caterpillars; Codling moth; Cutworms; Gipsy moth; Lepidoptera; Silkworms

*Refer from* Caterpillars; Insects, Injurious and beneficial; Lepidoptera

**Motion**

*See also* Animal locomotion; Dynamics; Force and energy; Kinematics; Locomotion; Mechanical movements; Mechanics; Motors; Perpetual motion; Rotation; Velocity; Vibration

*Refer from* Dynamics; Force and energy; Kinematics; Kinetics (s); Mechanics; Physics; Vibration

Motion pictures *see* Moving pictures

**Motor boats**

*Refer from* Autoboats (s); Boats and boating; Electric boats (s); Electric launches (s); Gasoline launches (s); Launches (s); Navigation; Power boats (s); Shipbuilding

Motor carriages *see* Automobiles

**Motor cycles**

*Refer from* Automobiles; Bicycles and tricycles; Cycles, Motor (s); Cycling

Motor vehicles *see* Automobiles

Motoring *see* Automobile touring; Automobiles

**Motors**

*See also* Aeronautic motors; Alcohol motors; Automobiles; Compressed air; Dynamos; Electric motors; Engines; Farm motors; Gas and oil engines; Hydraulic motors; Locomotives; Machinery; Solar motors; Steam engines; Turbines; Water wheels; Windmills

*Refer from* Automobiles; Engines; Machinery; Mechanics; Motion; Physics; Power; Power transmission

**Mottoes**

*See also* Devices; Heraldry; Quotations

*Refer from* Devices; Emblems; Heraldry; Literature; Quotations

Mould *see* Mold

Moulding *see* Foundry work

Mouldings *see* Moldings

Mound builders *see* Mounds and mound builders

**Mounds and mound builders**

*See also* Earthworks (archaeology); Indians — Antiquities; Kitchen middens; U. S. — Antiquities

*Refer from* Archaeology; Barrows (s); Burial; Earthworks (archaeology); Ethnology; Grave mounds (s); Graves (s); Indians; Indians — Antiquities; Kitchen middens; Mound builders (s); Tombs; Tumuli (s); U. S. — Antiquities

Mountain climbing *see* Mountaineering

**Mountain railroads**

*See also* Cable railroads; Suspended railways

*Refer from* Cable railroads; Railroads

✓ multiple standard

✓ municipal banks & b.

Mountain whites *see* Mountaineers of the South  
**Mountaineering**

*See also* Alpine clubs

**Mountaineers of the South**

**Mountains**

*See also* Alpine clubs; Alpine plants; Avalanches; Geology; Mountaineering; Physical geography; Volcanoes; *also* names of mountains

**Mourning customs**

Mouse *see* Mice

**Mouth**

*See also* Teeth

Movement cure *see* Gymnastics, Medical; Mechanotherapy; Swedish movement cure

Movements of animals *see* Animal locomotion; Irritability

Movements of plants *see* Plants — Movements

**Moving pictures**

*Refer from* Alpine clubs; Mountain climbing (s); Mountains; Outdoor life; Sports

*Refer from* Cumberland Mountains; Kentucky; Mountain whites (s); Southern states; Tennessee

*Refer from* Avalanches; Geology; Orology (s); Physical geography

*Refer from* Death; Funeral rites and ceremonies; Manners and customs

*Refer from* Anatomy; Dentistry; Digestive system; Face; Head

*Refer from* Amusements; Animatograph (s); Biograph (s); Chronophotography (s); Cinematograph (s); Entertainments; Kinetograph (s); Kinetoscope (s); Motion pictures (s); Photography; Pictures; Theater; Vitagraph (s); Vitascope (s)

*Refer from* Farm implements and machinery; Harvesting machinery

**Mowing machines**

*See also* Farm implements and machinery

Muhammedanism *see* Mohammedanism

Multiple personality *see* Personality

**Mummies**

*See also* Egypt — Antiquities; Embalming

**Municipal accounts** *see* Accounting; Municipal finance

Municipal administration *see* Municipal government

**Municipal art**

*See also* Cities — Planning and laying out; Municipal centers; Municipal improvement; Public buildings

Municipal bonds *see* Bonds

Municipal buildings *see* Public buildings

**Municipal centers**

*See also* Cities — Planning and laying out; Public buildings

Municipal charters *see* Charters; *also* names of cities, subhead Charters

**Municipal corporations**

*See also* Boroughs; Cities; Courts, Municipal; Municipal government; Municipal law; Towns

Municipal corruption *see* Political corruption

Municipal courts *see* Courts, Municipal

Municipal debts *see* Municipal finance

**Municipal engineering**

*See also* Municipal improvement; Pavements; Public works; Refuse and refuse disposal; Sanitary engineering; Sewerage;

*Refer from* Archaeology; Burial; Egypt — Antiquities; Embalming

*Refer from* Accounting; Bookkeeping; Municipal finance

*Refer from* Architecture; Art; Art, Municipal (s); Cities — Planning and laying out; Civic art (s); Municipal improvement

*Refer from* Architecture; Cities — Planning and laying out; Civic centers (s); Group plan for public buildings (s); Municipal art; Municipal improvement; Public buildings

*Refer from* Boroughs; Corporations; Eminent domain; Law; Municipal government; Municipal law; Towns

*Refer from* Engineering; Engineering, Municipal (s); Public works; Sanitary engineering



Street cleaning; Streets; Water — Purification; Water supply

**Municipal finance**

*See also* Bonds; Municipal accounts; Municipal government

**Municipal franchises**

*See also* Public service corporations

**Municipal government**

*See also* Charters; Cities; Local government; Municipal corporations; Municipal finance; Municipal ownership; Police; Recall; Referendum

—**Commission plan**

**Municipal improvement**

*See also* Baths, Public; Billposting; Building laws; Cemeteries; Cities — Planning and laying out; Electric wire and wiring; Fire protection; Garden cities; Harbors; Housing problem; Hygiene, Public; Landscape gardening; Lighting; Municipal art; Municipal centers; Neighborhood improvement; Noise; Parks; Pavements; Playgrounds; Preservation of landmarks, scenery, etc.; Public comfort stations; Railroads — Crossings; Refuse and refuse disposal; Sanitary engineering; Signs; Smoke; Streets; Tenement houses; Vacant lot cultivation

**Municipal law**

*See also* Corporation law; Law; Municipal corporations

**Municipal ownership**

*See also* Government ownership; Government regulation of industry; Municipal government; Public service corporations

Municipal reference libraries *see* Libraries, Municipal reference

Municipal reform *see* Municipal government

Municipal trading *see* Municipal ownership

Municipalities *see* Cities

Mural decoration *see* Mural painting and decoration

**Mural painting and decoration**

*See also* Frescoes; Gesso; House painting; Mosaics; Plaster and plastering; Stucco; Tapestry; Wall paper

**Murder**

*See also* Assassination; Capital punishment; Dacoits; Infanticide; Poisons; Suicide; Thugs; Treason

**Muscles**

*See also* Anatomy; Muscular sense; Physical education; Physiology

*Refer from* Finance; Municipal accounts; Municipal debts (s); Municipal government; Taxation

*Refer from* Charters; Franchises, Municipal (s); Public service corporations

*Refer from* Cities; City government (s); Civics (s); Government; Local government; Municipal administration (s); Municipal corporations; Municipal finance; Municipal ownership; Municipal reform (s); Social problems; Towns

*Refer from* Civil service reform; Commission government (s); Des Moines plan of city government (s); Galveston plan of city government (s); Government by commission (s)

*Refer from* Cities — Planning and laying out; City improvement (s); Civic improvement (s); Landscape gardening; Municipal art; Municipal engineering; Parks

*Refer from* Corporation law; Law; Municipal corporations

*Refer from* Government ownership; Government regulation of industry; Monopolies; Municipal government; Municipal trading (s); Public ownership (s); Public service corporations

*Refer from* Architecture; Art; Ceilings; Decoration and ornament; Frescoes; House decoration; House painting; Mosaics; Mural decoration (s); Painting; Plaster and plastering; Wall decoration (s); Wall painting (s); Wall paper; Walls

*Refer from* Assassination; Crime and criminals; Criminal law; Death; Homicide (s)

*Refer from* Anatomy; Animal locomotion; Electrophysiology; Histology; Muscular action (s); Myodynamics (s); Myology (s); Physiology



Muscular action *see* Muscles

**Muscular sense**

*See also* Psychology, Physiological

**Museums**

*See also* Art — Galleries and museums; Botanical museums; Exhibitions; *also* names of museums, and names of cities, subhead Galleries and museums

**Mushrooms**

*See also* Cookery — Mushrooms; Fungi

**Music**

*See also* Anecdotes, Musical; Anthems; Bands (music); Bible — Music; Cantatas; Carols; Chamber music; Chants; Choirs; Choral music; Church music; Composition (music); Concerts; Counterpoint; Dance music; Fugue; Glees; Harmony; Hymns; Indians — Music; Instrumental music; Instrumentation and orchestration; Masses (music); Melody; Military music; Modulation; Musical accompaniment; Musical festivals; Musical form; Musical instruments, and names of instruments; Musical societies; Musicians; National songs; Opera; Oratorios; Orchestral music; Orchestras; Overtures; Phrasing (music); Program music; Rhythm; Scale (music); School music; Sight reading; Singing and voice culture; Sonatas; Songs; Sound; Symphonies; Voice

— Anecdotes, *see* Anecdotes, Musical

— **Appreciation**

*See also* Musical form

— Biography, *see* Musicians

— **Dictionaries**

— **Essays, addresses, etc.**

— **History and criticism**

*See also* Music — Philosophy and esthetics

— Indians, *see* Indians — Music

— **Instruction and study**

*See also* Instrumentation and orchestration; Piano — Instruction and study; Sight reading; Singing and voice culture; *also* names of schools and of instruments

— **Jews**

*See also* Bible — Music

— **Notation**

*See also* Tonic sol-fa

— **Philosophy and esthetics**

*See also* Music — Appreciation

— **Scores**

*See also* Choruses and part songs; Duets, Instrumental; Duets, Vocal; Opera — Scores; Orchestral music; Organ music; Piano music — Scores; Sonatas; Songs — Scores; Symphonies; Violin music

— Study and teaching, *see* Music — Instruction and study

*Refer from* Muscles; Psychology; Psychology, Physiological; Senses and sensation

*Refer from* Exhibitions

*Refer from* Food; Fungi; Toadstools (s)

*Refer from* Art; Composition (music); Instrumental music; Singing and voice culture; Sound; Vocal music (s); Voice

*Refer from* Appreciation of music (s); Music — Philosophy and esthetics; Musical form

*Refer from* Criticism

*Refer from* Education, Musical (s); Music — Study and teaching (s); Musical education (s); Piano — Instruction and study

*Refer from* Bible — Music; Jews — Music (s)

*Refer from* Musical notation (s); Notation (music) (s)

*Refer from* Esthetics; Music — History and criticism; Music — Theory

*Refer from* Scores (music) (s)





**Music** — Continued

— **Theory**

*See also* Canon (music); Composition (music); Counterpoint; Fugue; Harmony; Melody; Modulation; Music — Philosophy and esthetics; Musical form

— **U. S.**

*See also* Indians — Music; Songs, American

**Music halls**

*See also* Vaudeville

**Musical accompaniment**

Musical anecdotes *see* Anecdotes, Musical

Musical composition *see* Composition (music)

Musical education *see* Music — Instruction and study

**Musical festivals**

**Musical form**

*See also* Canon (music); Fugue; Music — Appreciation; Phrasing (music); Sonatas

**Musical instruments**

*See also* Flute; Guitar; Harp; Harpsichord; Instrumental music; Instrumentation and orchestration; Orchestral music; Organ; Piano; Reed organ; Stringed instruments; Tuning; Tuning forks; Violin; Violoncello; Wind instruments

Musical notation *see* Music — Notation

**Musical societies**

*See also* Choral societies; Musical festivals

**Musicians**

*See also* Anecdotes, Musical; Organists; Pianists; Singers; Violinists

Muslims *see* Mohammedanism

Mussulmans *see* Mohammedanism

Mutation *see* Variation (biology)

**Mutiny**

Mutual aid societies *see* Benefit societies

Mutual benefit societies *see* Benefit societies

Mycology *see* Fungi

Myodynamics *see* Muscles

Myology *see* Muscles

**Myopia**

*See also* Eye — Diseases and defects

**Myriapoda**

*See also* Arthropoda

Mysteries (dramatic) *see* Miracle, morality and mystery plays

**Mysteries (religious)**

*See also* Eleusinian mysteries; Mythology; Oracles

Mystery plays *see* Miracle, morality and mystery plays

**Mysticism**

*See also* Cabala; Neoplatonism; Quietism; Rosicrucians; Sufism

Mythical animals *see* Animals, Mythical

*Refer from* Harmony

*Refer from* U. S. — Music (s)

*Refer from* Concert halls (s); Theaters

*Refer from* Accompaniment, Musical (s); Composition (music); Music; Piano — Instruction and study; Singing and voice culture

*Refer from* Festivals; Music; Musical societies

*Refer from* Canon (music); Form, Musical (s); Fugue; Music; Music — Appreciation; Music — Theory; Phrasing (music); Sonatas

*Refer from* Flute; Harpsichord; Instrumental music; Instrumentation and orchestration; Instruments; Music; Organ; Piano; Stringed instruments; Violin; Violoncello; Wind instruments

*Refer from* Choral societies; Music; Societies

*Refer from* Artists; Biography; Composers (s); Music; Music — Biography (s); Organists; Pianists; Singers; Violinists

*Refer from* Crime and criminals; Maritime law; Military law

*Refer from* Eye — Diseases and defects; Near-sightedness (s); Nearsightedness (s); Short-sightedness (s); Sight

*Refer from* Arthropoda

*Refer from* Mythology; Religion; Religious mysteries (s); Rites and ceremonies

*Refer from* Philosophy; Quietism; Religion; Rosicrucians; Theosophy



## Mythology

*See also* Animal worship; Animals, Mythical; Archaeology; Astronomical mythology; Classical dictionaries; Fairy tales; Fauns; Folklore; Legends; Mysteries (religious); Nature myths; Religions; Superstition; Totems and totemism

### —Celtic

*See also* Druids

### —Classical

*See also* Amazons; Argonauts; Classical dictionaries; Eleusinian mysteries

### —Germanic

*See also* Mythology, Norse

### —Greek, *see* Mythology, Classical

### —Indians, *see* Indians — Religion

### —Norse

*See also* Eddas; Mythology, Germanic; Sagas

### —Roman, *see* Mythology, Classical

### —Scandinavian, *see* Mythology, Norse

### —Slavic

### —Teutonic, *see* Mythology, Germanic

## N rays

## Nagualism

## Nails and spikes

## Names

*See also* Botany — Nomenclature; Epithets; Indians — Names; Medicine — Nomenclature; Words; Zoology — Nomenclature

### —Geographical

*See also* Gazetteers; Indians — Names

### —Personal

*See also* Indians — Names; Nicknames; Pseudonyms

## Napoleonic wars

*See also* Europe — History — 1789–; France — History — Consulate and empire; Peninsular war, 1807–1814; Waterloo, Battle of

## Narcotic habit

*See also* Cocaine; Morphine; Narcotics; Opium

## Narcotics

*See also* Hashish; Morphine; Narcotic habit; Opium; Tobacco

## Narragansett Indians

*See also* Algonquian Indians

*Refer from* Archaeology; Comparative mythology (s); Creation; Ethnology; Folklore; God; Heroes; Legends; Mysteries (religious); Paganism; Religion; Religions; Superstition

*Refer from* Celtic mythology (s); Druids

*Refer from* Amazons; Argonauts; Classical antiquities; Classical mythology (s); Eleusinian mysteries; Greek mythology (s); Mythology, Greek (s); Mythology, Roman (s); Roman mythology (s)

*Refer from* Germanic mythology (s); Mythology, Norse; Mythology, Teutonic (s); Teutonic mythology (s)

*Refer from* Mythology, Germanic; Mythology, Scandinavian (s); Norse mythology (s); Northern mythology (s); Scandinavian mythology (s)

*Refer from* Slavic mythology (s)

*Refer from* Light; Radiation; X rays

*Refer from* Central America — Religion; Indians of Mexico; Mexico — Antiquities; Mexico — Religion; Religions

*Refer from* Hardware; Railroad spikes (s); Spikes (s)

*Refer from* Epithets; Etymology; Language; Nomenclature (s); Terminology (s); Words

*Refer from* Gazetteers; Geographical names (s); Geography; Place names (s); Proper names (s)

*Refer from* Christian names (s); Forenames (s); Personal names (s); Proper names (s); Surnames (s)

*Refer from* England — History — 1714–1837; Europe — History — 1789–; France — History — Consulate and empire; French revolution; Germany — History — 1740–1815; Italy — History — 1789–1815; Peninsular war, 1807–1814; Waterloo, Battle of

*Refer from* Cocaine; Drug habit (s); Hygiene; Morphine; Narcotics; Opium; Temperance

*Refer from* Drugs; Hashish; Hygiene; Insomnia; Medicine; Morphine; Narcotic habit; Opium; Poisons; Therapeutics

*Refer from* Algonquian Indians

National Planning Commission

Nasal passages *see* Nose  
Natal stones *see* Birth stones  
National bank notes *see* Bank notes

**National banks**

*See also* Bank notes; Banks and banking;  
Banks and banking — U. S.

National cemeteries *see* Cemeteries, National

**National characteristics**

*See also* Ethnopsychology; *also* names of  
races, and names of countries, subhead  
Social life and customs

— **American**

*See also* U. S. — Social life and customs;  
Women in the U. S.

National debts *see* Debts, Public

National ethics *see* State ethics

**National flowers**

National guard, U. S., *see* U. S. — Militia;  
*also* names of states, e.g. New York (state)  
— Militia

National holidays *see* Holidays

National hymns *see* National songs

National ownership *see* Government ownership

**National parks and reserves**

*See also* Forest reserves

*National resources* *see* Natural resources

National resources *see* Natural resources; *also*  
names of countries, subhead Industries and  
resources

National road *see* Cumberland road

**National songs**

*See also* Folk songs; War songs

**National university for the U. S.**

Nationalism *see* Government ownership; Na-  
tionalism, New; Socialism

**Nationalism, New**

Nationalization of land *see* Land nationaliza-  
tion

**Nations**

Nations, Law of, *see* International law

Native races *see* Ethnology; Race problems;  
*also* names of aboriginal races, e.g. Indians

Nativity of Christ *see* Jesus Christ — Birth

Natural gas *see* Gas, Natural

**Natural history**

*See also* Animals; Anthropology; Aquari-  
ums; Bible — Natural history; Biology;  
Botany; Chemistry; Ecology; Evolution;  
Geology; Man; Microscope and microscopy;  
Mineralogy; Naturalists; Nature; Nature  
study; Ocean; Outdoor life; Paleontology;  
Physical geography; Physics; Plants; Sci-  
ence; Taxidermy; Zoology

— **U. S.**

*See also* Botany — U. S.; Zoology —  
U. S.

*Refer from* Banks and banking; Banks and  
banking — U. S.

*Refer from* Character; Characteristics, Na-  
tional (s); Ethnology; Ethnopsychology;  
Manners and customs; Race characteristics (s);  
Social psychology

*Refer from* U. S. — National characteris-  
tics (s); U. S. — Social life and customs;  
Women in the U. S.

*Refer from* Flowers; Flowers, National (s)

*Refer from* Forest reserves; Parks; Public  
lands; U. S. — Military reservations (s);  
U. S. — National parks and reserves (s);  
U. S. — Public lands

*Refer from* Folk songs; Music; National  
hymns (s); Patriotic songs (s); Songs; Songs,  
American [etc.]

*Refer from* Colleges and universities — U. S.;  
University of the U. S., Proposed (s)

*Refer from* Federal government; Nation-  
alism (s); New nationalism (s); State rights;  
U. S. — Government

*Refer from* Ethnology; Government; People

*Refer from* Animal lore; Animals; Biology;  
Botany; History, Natural (s); Natural sci-  
ence (s); Nature; Nature study; Outdoor life;  
Plants; Science; Zoology

*Refer from* U. S. — Natural history (s)



**Natural law**

*See also* International law

Natural philosophy *see* Physics

**Natural religion**

*See also* Atheism; Christianity; Creation; Deism; Ethics; Future life; God; Naturalism; Religion; Religion and science; Theology

**Natural resources**

*See also* Commercial geography; Commercial products; Conservation of resources; Forests and forestry; Geology, Economic; Mines and mineral resources; Water power

Natural rights *see* Natural law

Natural scenery *see* Landscape

Natural science *see* Natural history; Physics; Science

**Natural selection**

*See also* Evolution; Heredity; Species

Natural theology *see* Natural religion

**Naturalism**

*See also* Agnosticism; Materialism; Positivism; Realism

**Naturalism in art**

*See also* Idealism in art; Realism in art

**Naturalism in literature**

*See also* Idealism in literature; Realism in literature

**Naturalists**

*See also* Botanists; Entomologists; Ornithologists; Scientists; Zoologists

**Naturalization**

*See also* Alien and sedition laws, 1798; Aliens; Citizenship

**— Nature**

*See also* Animals; Botany; Earth; Evolution; Natural history; Nature in literature; Nature in poetry; Nature myths; Nature study; Outdoor life; Plants; Science; Seasons; Zoology

Nature, Law of, *see* Natural law

**Nature in literature**

*See also* Nature in poetry

**Nature in poetry**

*See also* Nature in literature; Pastoral poetry

**Nature myths**

*See also* Animal lore; Astronomical mythology; Plant lore

**Nature photography**

*See also* Photography — Animals; Photography — Plants

**— Nature study**

*See also* Animals; Animals — Habits and behavior; Animals — Stories; Birds; Bota-

*Refer from* Absolute rights (s); Constitutional law; Ethics; International law; Law; Law of nature (s); Liberty; Natural rights (s); Nature, Law of (s)

*Refer from* Atheism; God; Natural theology (s); Philosophy; Religion; Religion and science; Teleology; Theism; Theology; Theology, Natural (s)

*Refer from* Commercial geography; Commercial products; Conservation of resources; Forests and forestry; Mines and mineral resources; National resources (s); Resources (s)

*Refer from* Darwinism(s); Evolution; Heredity; Selection, Natural(s); Species; Survival of the fittest (s); Variation (biology)

*Refer from* Natural religion; Philosophy; Realism

*Refer from* Art; Esthetics; Idealism in art; Painting; Realism in art

*Refer from* Esthetics; Fiction; Idealism in literature; Literature; Realism in literature

*Refer from* Authors; Biography; Botanists; Entomologists; Natural history; Ornithologists; Scientists; Zoologists

*Refer from* Aliens; Allegiance; Citizenship; Expatriation; Foreigners (s); Immigration and emigration; International law; Suffrage

*Refer from* Natural history; Nature study; Outdoor life; Philosophy; Physical geography; Scenery (s); Science

*Refer from* Literature; Nature; Nature in poetry

*Refer from* Nature; Nature in literature; Pastoral poetry; Poetry; Poetry of nature (s)

*Refer from* Animal lore; Folklore; Mythology; Nature; Plant lore

*Refer from* Nature study; Photography; Photography — Animals; Photography — Nature (s); Photography — Plants; Photography of nature (s)

*Refer from* Animals; Animals — Habits and behavior; Animals — Stories; Botany; Educa-





ny; Natural history; Nature; Nature photography; Object teaching; Plants; School gardens; Zoology

**Nature worship**

*See also* Animal worship; Elements, Worship of; Phallicism; Serpent worship; Sun worship; Totems and totemism; Tree worship

**Nautical almanacs**

**Nautical astronomy**

*See also* Astronomy, Spherical and practical; Latitude and longitude; Navigation

Nautical surveying *see* Hydrography

Nautical terms *see* Naval art and science — Dictionaries; Navigation — Dictionaries

Naval architecture *see* Shipbuilding

**Naval art and science**

*See also* Armor plate; Armored vessels; Blockade; Gunnery; Mines, Submarine; Naval history; Naval tactics, and other headings beginning Naval; Navies; Navigation; Navy yards and naval stations; Privateering; Sea power; Shipbuilding; Signals; Submarine boats; Submarine warfare; Target practice; Torpedo boats; Torpedoes; War; Warships

Naval artillery *see* Naval guns

**Naval battles**

*See also* Armada, 1588; Battles; Buccaneers; Naval history; Pirates; *also* names of battles and of ships

**Naval biography**

*See also* Admirals; Sailors

Naval boilers *see* Boilers, Marine

**Naval education**

Naval engineering *see* Marine engineering

Naval gunnery *see* Gunnery

**Naval guns**

**Naval history**

*See also* Admirals; Buccaneers; History; Impressment; Military history; Naval battles; Naval biography; Navigation; Pirates; Privateering; Sea power; *also* names of wars, battles, vessels and commanders, and names of countries, subheads History, Naval, and Navy

Naval hospitals *see* Hospitals, Naval and marine

**Naval hygiene**

*See also* Military hygiene; Quarantine; Seasickness

**Naval militia**

*See also* names of states, subhead Naval militia

Naval power *see* Sea power

Naval reserves *see* Naval militia

Naval science *see* Naval art and science

Naval stations *see* Navy yards and naval stations

Naval surgery *see* Surgery, Naval

tion; Kindergarten; Natural history; Nature; Object teaching; Plants; Science; Science — Study and teaching; Teaching; Zoology

*Refer from* Elements, Worship of; Worship

*Refer from* Almanacs; Astronomy; Ephemerides (s); Navigation

*Refer from* Astronomy; Astronomy, Spherical and practical; Navigation

*Refer from* Fighting (s); Military art and science; Naval science (s); Naval tactics; Naval warfare (s); Navies; Navy (s); Science; Sea power; Ships; Strategy (s); War; Warships

*Refer from* Battles; Naval history; Sea fights (s)

*Refer from* Admirals; Biography; Naval history; Sailors

*Refer from* Education; Education, Naval (s)

*Refer from* Artillery; Guns; Naval artillery (s); Ordnance

*Refer from* History; History, Naval (s); Military history; Naval art and science; Naval battles; Navigation; Sea power

*Refer from* Hygiene; Hygiene, Naval (s); Medicine; Military hygiene; Occupations — Diseases and hygiene; Sanitation

*Refer from* Militia; Naval reserves (s); U. S. — Militia; U. S. — Naval militia (s); U. S. — Navy

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**Naval tactics**

*See also* Naval art and science  
Naval warfare *see* Naval art and science

**Navies**

*See also* Armies; Armored vessels; Coaling stations; Disarmament; Militarism; Naval art and science; Navy yards and naval stations; Sea power; Warships, *also* names of countries, subhead Navy, or Army and navy

**Navigation**

*See also* Aeronautics; Beacons; Boats and boating; Buoys; Canoes and canoeing; Collisions at sea; Commerce; Compass; Fog signals; Harbors; Hydrography; Inland navigation; Knots and splices; Latitude and longitude; Lifeboats; Lighthouses; Motor boats; Nautical almanacs; Nautical astronomy; Naval history; Ocean; Ocean travel; Pilot guides; Pilots and pilotage; Rowing; Rule of the road; Sailing; Sailors; Shipbuilding; Shipping; Ships; Shipwrecks; Signals; Sounding and soundings; Steam navigation; Steamboats; Submarine boats; Traverse tables; Voyages and travels; Yachts and yachting

—Inland, *see* Inland navigation

Navigation laws *see* Maritime law

Navy *see* Naval art and science; Navies; *also* names of countries, subhead Navy, or Army and navy

**Navy yards and naval stations**

Near-sightedness *see* Myopia

Nearsightedness *see* Myopia

**Nebulae**

*See also* Astronomy; Meteoritic hypothesis; Nebular hypothesis

**Nebular hypothesis**

*See also* Astronomy; Nebulae

**Necessity**

*See also* Freedom of the will; Predestination

Necrologies *see* Obituaries

Necromancy *see* Conjuring; Magic; Witchcraft

Needles *see* Pins and needles

**Needlework**

*See also* Beadwork; Crocheting; Drawn work; Dressmaking; Embroidery; Fancy work; Knitting; Lace; Mending and repairing; Samplers; Sewing machines; Sewing schools; Tailoring; Tapestry

**Negligence**

*See also* Agency; Bailments; Damages; Employers' liability

**Negotiable instruments**

*See also* Bonds; Commercial law; Exchange; Interest; Investments; Mortgages; Securities; Stocks

**Negro dialect**

*See also* Recitations and readings, Dialect

*Refer from* Naval art and science; Tactics

*Refer from* Armaments (s); Armies; Armored vessels; Disarmament; Fleets (s); Militarism; Military power (s); Naval art and science; Navy (s); Sea power; Ships; War; Warships

*Refer from* Astronomy, Spherical and practical; Boats and boating; Carriers; Commerce; Hydrography; Latitude and longitude; Locomotion; Mathematics; Nautical astronomy; Naval art and science; Naval history; Ocean; Sailing; Seamanship (s); Ships; Steam navigation; Traverse tables; Trigonometry; Waterways; Yachts and yachting

*Refer from* Naval art and science; Naval stations (s); Navies

*Refer from* Astronomy; Meteoritic hypothesis; Nebular hypothesis

*Refer from* Astronomy; Nebulae; Planets; Solar system; Universe

*Refer from* Freedom of the will; Metaphysics; Philosophy

*Refer from* Arts and crafts; Domestic arts; Dressmaking; Embroidery; Fancy work; Home economics; Lace; Manual training; Sewing (s); Sewing schools; Stitches (s); Women

*Refer from* Agency; Bailments; Carriers; Contracts; Contributory negligence (s); Damages; Employers' liability; Law; Occupations, Dangerous

*Refer from* Commercial law; Commercial paper (s); Cr dit; Law; Securities

*Refer from* English language — Dialects; Negroes

negro dialect — 257



Negro melodies *see* Negro songs  
Negro minstrels *see* Minstrel shows  
**Negro songs**  
*See also* Jubilee singers

**Negro suffrage**  
*See also* Negroes — Political and social conditions

✓ **Negroes**  
*See also* Color of man; Freedmen; Maroons; Negro dialect; Negro songs; Negro suffrage; Race problems — U. S.; Slave trade; Slavery; Slavery in the U. S.; Southern states

— **Biography**  
— **Colonization** [for colonization in America]  
*See also* Africa — Colonization

— **Education**  
— **Folklore**  
— **History**  
— **Political and social conditions**  
*See also* Negro suffrage

— **Religion**  
— **Social life and customs**  
*See also* Voodooism  
— **Suffrage**, *see* Negro suffrage  
Negroes in the American revolution *see* U. S. — History — Revolution — Negro troops  
Negroes in the civil war *see* U. S. — History — Civil war — Negro troops

**Neighborhood gilds**

**Neighborhood improvement**  
*See also* Playgrounds; Tree planting; Vacant lot cultivation

Neighborhood work *see* Social settlements  
Neo-Latin languages *see* Romance languages  
Neolithic period *see* Stone age

**Neoplatonism**

**Nerves**  
*See also* Nervous system

Nervous diseases *see* Nervous system — Diseases

Nervous exhaustion *see* Neurasthenia

Nervous prostration *see* Neurasthenia

**Nervous system**  
*See also* Anatomy; Brain; Electrophysiology; Fatigue; Inhibition; Mind and body; Nerves; Physiology; Psychology, Physiological; Rest; Spine; Temperament

— **Diseases**  
*See also* Epilepsy; Headache; Hysteria; Mental diseases; Neuralgia; Neurasthenia; Worry

**Nestorians**  
*See also* Eastern churches

**Nests**  
*See also* Animals — Habitations; Birds; Birds' eggs

**Neuralgia**  
*See also* Nervous system — Diseases

*Refer from* Folk songs; Negro melodies (s); Negroes; Plantation songs (s); Songs; Songs, American

*Refer from* Negroes; Negroes — Political and social conditions; Negroes — Suffrage (s); Suffrage

*Refer from* Colored people (s); Ethnology; Freedmen; Race problems; Race problems — U. S.; Slavery; Slavery in the U. S.; Southern states

*Refer from* Africa — Colonization; Colonization of negroes (s)

*Refer from* Education

*Refer from* Folklore — Negroes (s)

*Refer from* Negro suffrage

*Refer from* Clubs; Gilds; Social settlements

*Refer from* Municipal improvement; Social settlements

*Refer from* Dualism; Hellenism; Mysticism; Philosophy; Platonists; Theosophy

*Refer from* Electrophysiology; Nervous system

*Refer from* Anatomy; Brain; Electrophysiology; Mind and body; Nerves; Neurology (s); Physiology; Psychology, Physiological; Spine; Temperament

*Refer from* Diseases (s); Hysteria; Medicine — Practice; Mental diseases; Nervous diseases (s); Neuralgia; Neurasthenia; Neuropathology (s)

*Refer from* Eastern churches; Sects

*Refer from* Animals — Habitations; Birds; Birds' nests (s); Zoology

*Refer from* Medicine — Practice; Nervous system — Diseases

7 Nevada

7 New York State  
7 New York City

✓ Nicaragua

**Neurasthenia**

*See also* Fatigue, Mental; Nervous system — Diseases

Neurology *see* Nervous system

Neuropathology *see* Nervous system — Diseases

**Neuroptera**

*See also* Insects

**Neutrality**

*See also* Alabama claims; Blockade; Contraband of war; International law; Search, Right of; Trent affair, 1861

New church *see* New Jerusalem church

**New Englanders in the West**

New France *see* Canada — History — To 1763 (New France)

**New Jerusalem church**

New nationalism *see* Nationalism, New

New Testament *see* Bible — New Testament

**New thought****New year****New York artillery**

*See also* New York (state) — Militia

**New York cavalry**

*See also* New York (state) — Militia

**New York infantry**

*See also* New York (state) — Militia

New York volunteer artillery *see* New York artillery

New York volunteer cavalry *see* New York cavalry

New York volunteer infantry *see* New York infantry

**Newsboys**

Newspaper clippings *see* Clippings

Newspaper work *see* Journalism; Reporting

**Newspapers**

*See also* Advertising; Clippings; Editorials; Journalism; Liberty of the press; Periodicals; Publicity; Reporting

**—England**

*See also* Periodicals — England

**—U. S.**

*See also* Periodicals — U. S.

**Nicene creed**

*Refer from* Exhaustion (s); Fatigue, Mental; Medicine — Practice; Nervous exhaustion (s); Nervous prostration (s); Nervous system — Diseases

*Refer from* Insects

*Refer from* Blockade; Commerce; Contraband of war; International law; Maritime law; Prizes (international law); Search, Right of; War

*Refer from* New England; Western states

*Refer from* Church of the New Jerusalem (s); New church (s); Sects; Swedenborgianism (s)

*Refer from* Ethics; Higher thought (new thought) (s); Mental healing; Mental hygiene; Metaphysics; Mind and body; Philosophy; Philosophy, Modern; Psychology; Spiritual life; Suggestion

*Refer from* Holidays

*Refer from* Artillery; New York (state) — Militia; New York volunteer artillery (s); U. S. — Army; Volunteers (U. S. army) (s)

*Refer from* Cavalry; New York (state) — Militia; New York volunteer cavalry (s); U. S. — Army; Volunteers (U. S. army) (s)

*Refer from* Infantry; New York (state) — Militia; New York volunteer infantry (s); U. S. — Army; Volunteers (U. S. army) (s)

*Refer from* Boys; Child labor

*Refer from* Communication; Journalism; Liberty of the press; Literature; Periodicals; Press (s); Yellow journalism (s)

*Refer from* England — Newspapers (s); English literature; English newspapers (s); Periodicals — England

*Refer from* American literature; American newspapers (s); Periodicals — U. S.; U. S. — Newspapers (s)

*Refer from* Catholic church — Catechisms and creeds; Church of England — Catechisms and creeds; Creeds





- Nickel**  
*See also* Metals; Nickel steel
- Nickel steel**  
*See also* Armor plate
- Nicknames**  
*See also* Epithets; Pseudonyms
- Night**  
*See also* Dew; Dreams; Nightmare; Sleep; Somnambulism  
 Night schools *see* Evening and continuation schools
- Nightmare**  
*See also* Dreams
- Nihilism**  
*See also* Anarchism and anarchists; Russia — Politics; Russia — Social conditions
- Nineteenth century**  
*See also* English literature — History and criticism — 19th century; Europe — History — 1789–; History, Modern
- Nitrification**  
*See also* Soil bacteriology; Soil inoculation
- Nitrifying bacteria *see* Nitrification; Soil bacteriology
- Nitrogen**  
*See also* Alkaloids; Nitrification
- Nitroglycerin**  
*See also* Explosives
- Nobel prizes**  
 Nobility *see* Aristocracy; Heraldry; Peerage
- Noise**  
*See also* Sound
- Nomads**  
*See also* Bedouins; Gipsies
- Nomenclature *see* Names; *also* under subject, e.g. Botany — Nomenclature; Medicine — Nomenclature; Zoology — Nomenclature
- Nominations**  
*See also* Caucus; Election laws; Elections; Political conventions; Primaries
- Noms de plume *see* Pseudonyms
- Nonconformists *see* Dissenters
- Nonjurors**  
*See also* Church of England
- Nonresistance**  
*See also* Friends, Society of; Peace
- Nonsense verse**  
*See also* Limericks; Nursery rhymes
- Normal schools**  
*See also* Teachers — Training
- Refer from* Metals
- Refer from* Armor plate; Nickel; Steel
- Refer from* Epithets; Names, Personal; Pseudonyms; Sobriquets (s); Soubriquets (s)
- Refer from* Days
- Refer from* Dreams; Incubus (s); Night; Sleep
- Refer from* Anarchism and anarchists; Government; Philosophy; Russia; Secret societies
- Refer from* Europe — History — 1789–; History, Modern; Progress
- Refer from* Agricultural chemistry; Bacteriology, Agricultural; Fertilizers and manures; Nitrifying bacteria (s); Nitrogen; Soil bacteriology; Soil inoculation; Soils
- Refer from* Chemical elements; Gases
- Refer from* Explosives
- Refer from* Rewards (prizes, etc.)
- Refer from* Municipal improvement; Nuisances; Sound
- Refer from* Bedouins; Gipsies
- Refer from* Caucus; Civil service; Direct nominations (s); Election laws; Elections; Elections — U. S.; Government; Office, Nominations for (s); Political conventions; Politics; Primaries; Representative government and representation
- Refer from* Church of England; Dissenters; England — History — Stuarts; England — Religious history; Jacobites; Puritans
- Refer from* Peace
- Refer from* Humor; Limericks; Nursery rhymes; Poetry
- Refer from* Education; Schools; Teachers; Teachers — Training

> North Lakota

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Norman conquest *see* England — History — Normans

**Normans**

*See also* England — History — Normans; Normandy; Northmen  
Norse literature *see* Icelandic literature; Scandinavian literature

Norse mythology *see* Mythology, Norse

Norsemen *see* Northmen

North American Indians *see* Indians

**North pole**

*See also* Arctic regions

**Northeast boundary of the U. S.**

**Northeast passage**

*See also* Arctic regions

Northeastern boundary of the U. S. *see* Northeast boundary of the U. S.

Northern lights *see* Auroras

Northern mythology *see* Mythology, Norse

**Northmen**

*See also* America — Discovery and exploration — Pre-Columbian; Iceland — History; Normans; Norway — History; Sagas; Scandinavia — History

**Northwest, Canadian**

Northwest, New, *see* Northwestern states

Northwest, Old, *see* Northwest Territory, U. S.

**Northwest boundary of the U. S.**

**Northwest passage**

*See also* Arctic regions

**Northwest Territory, U. S.**

*See also* Illinois; Indiana; Michigan; Middle states; Ohio; Ordinance of 1787; Western Reserve; Wisconsin

Northwestern boundary of the U. S. *see* Northwest boundary of the U. S.

**Northwestern states**

*See also* Oregon trail; Western states; *also* names of states and regions

**Norwegian language**

*See also* Scandinavian languages

**Norwegian literature**

*See also* Danish literature; Scandinavian literature

**Norwegians in the U. S.**

*See also* Scandinavians in the U. S.

**Nose**

*See also* Catarrh; Respiratory organs; Smell

**Notaries**

*See also* Acknowledgments; Affidavits

**Notation (mathematics)**

*See also* Decimal system

Notation (music) *see* Music — Notation

**Novelists**

*See also* Authors

Novels *see* Fiction

*Refer from* England — History — Normans; Northmen

*Refer from* Arctic regions; Earth; Polar regions (s)

*Refer from* Boundaries; Northeastern boundary of the U. S. (s); U. S. — Boundaries

*Refer from* Arctic regions; Discoveries and explorations

*Refer from* America — Discovery and exploration — Pre-Columbian; Iceland — History; Middle ages — History; Normans; Norsemen (s); Norway — History; Scandinavia — History; Sea kings (s); Vikings (s)

*Refer from* Canada; Canadian Northwest (s)

*Refer from* Boundaries; Northwestern boundary of the U. S. (s); U. S. — Boundaries

*Refer from* Arctic regions; Discoveries and explorations

*Refer from* Middle states; Northwest, Old (s); Old Northwest (s); Ordinance of 1787; U. S. — History; Western states

*Refer from* Northwest, New (s); Western states

*Refer from* Germanic languages; Scandinavian languages

*Refer from* Danish literature; Scandinavian literature

*Refer from* Scandinavians in the U. S.; U. S. — Foreign population

*Refer from* Anatomy; Face; Head; Nasal passages (s); Respiratory organs; Smell

*Refer from* Commercial law; Law

*Refer from* Arithmetic; Mathematical notation (s); Mathematics

*Refer from* Authors; Fiction



Nucleation, Atmospheric, *see* Atmospheric nucleation

**Nude in art**

*See also* Art and morals

**Nuisances**

*See also* Noise; Smoke

**Nullification**

*See also* Kentucky and Virginia resolutions, 1798; State rights

**Numbers** [theory of]

*See also* Arithmetic; Groups, Theory of; Magic squares; Numerals

**Numerals** [the signs and words]

*See also* Numbers

**Numismatics**

*See also* Bible — Numismatics; Coinage; Medals; Money; Seals (numismatics)

Nunneries *see* Convents and nunneries

**Nuns**

*See also* Carmelites; Convents and nunneries; Religious orders; Sisterhoods; Sisters of charity; Ursulines

**Nurseries (horticulture)**

*See also* Forest nurseries

Nurseries, Day, *see* Crèches

**Nursery rhymes**

*See also* Children's poetry; Counting out; Nonsense verse

**Nurses and nursing**

*See also* Children — Care and hygiene; Cookery for the sick; Diet; First aid in illness and injury; Hospitals; Invalids; Red cross; School nurses; Sisters of charity

**Nutation**

*See also* Astronomy, Spherical and practical

**Nutrition**

*See also* Absorption (physiology); Diet; Digestion; Food; Metabolism

Nutrition of plants *see* Plants — Chemistry and nutrition

**Nuts**

Nuts (machinery) *see* Bolts and nuts

Oak trees *see* Oaks

**Oaks**

Oarsmanship *see* Rowing

**Oases**

*See also* Deserts

**Oaths**

*See also* Perjury; Swearing

**Oats**

*See also* Grain

**Obedience**

**Obelisks**

*See also* Egypt — Antiquities

**Oberammergau passion play**

Obesity *see* Corpulence

*Refer from* Art; Art and morals; Human figure in art (s)

*Refer from* Hygiene, Public; Law

*Refer from* Government; State rights; U. S. — Politics

*Refer from* Algebra; Arithmetic; Mathematics; Numerals

*Refer from* Arabic numerals (s); Arithmetic; Mathematics; Numbers

*Refer from* Archaeology; Art; Coins (s); History; History, Ancient; Medals; Money; Seals (numismatics)

*Refer from* Convents and nunneries; Monasticism; Religious orders; Sisterhoods; Women

*Refer from* Fruit culture; Gardening

*Refer from* Children's poetry; Children's songs; Folklore; Nonsense verse; Poetry of childhood (s)

*Refer from* Charities; Children — Care and hygiene; District nurses (s); Hospitals; Hygiene; Invalids; Medicine; Medicine — Practice; Therapeutics; Trained nurses (s); Women

*Refer from* Astronomy; Astronomy, Spherical and practical; Earth; Latitude and longitude

*Refer from* Assimilation (s); Diet; Digestion; Food; Metabolism; Physiology

*Refer from* Food; Fruit; Trees

*Refer from* Oak trees (s); Trees

*Refer from* Deserts

*Refer from* Ethics; Government; Perjury; Swearing

*Refer from* Feeding and feeding stuffs; Grain

*Refer from* Conduct of life; Ethics

*Refer from* Archaeology; Architecture; Egypt — Antiquities; Monuments

*Refer from* Passion plays



**Obituaries**

*See also* Epitaphs; Funeral sermons; Inscriptions

**Object teaching**

*See also* Kindergarten; Nature study; Observation; Quincy system

**Observation**

Observations, Magnetic, *see* Magnetism, Terrestrial — Observations

Observations, Meteorological, *see* Meteorology — Observations

Observatories, Astronomical, *see* Astronomical observatories

Observatories, Meteorological, *see* Meteorological observatories

**Obstetrics****Occult sciences**

*See also* Alchemy; Astrology; Cabala; Crystal gazing; Demonology; Divination; Magic; Oracles; Psychical research; Second sight; Spiritualism; Theosophy; Witchcraft

**Occultations**

*See also* Astronomy; Astronomy, Spherical and practical

Occupational diseases *see* Occupations — Diseases and hygiene

**Occupations**

*See also* Business; Handicraft; Profession, Choice of; Professions; Vocational education; Women — Occupations; *also* names of occupations

**—Dangerous**

*See also* Accidents; Employers' liability; Mine accidents; Negligence; Occupations — Diseases and hygiene; Railroads — Accidents; Safety devices

**—Diseases and hygiene**

*See also* Caisson disease; Dust; Lead poisoning; Military hygiene; Naval hygiene; Occupations, Dangerous; School hygiene

**Ocean**

*See also* Algae; Coast changes; Commerce; Dredging; Hydrography; Icebergs; Marine biology; Marine zoology; Navigation; Ocean currents; Ocean travel; Phosphorescence; Physical geography; Sailors; Sea food; Sea level; Sea stories; Sea walls; Sea water; Seashore; Seasickness; Ships; Shipwrecks; Sounding and soundings; Tides; Voyages and travels; Waves; *also* headings beginning Marine and Naval

**Ocean currents**

Ocean life *see* Marine biology; Seafaring life

**Ocean travel**

*See also* Sailors; Seasickness; Steamboats; Steerage; Travel; Voyages and travels

**Oceanic languages**

*See also* Philippine languages; Polynesian languages

*Refer from* Biography; Death notices (s); Epitaphs; Funeral sermons; Inscriptions; Necrologies (s)

*Refer from* Education; Education, Elementary; Kindergarten; Nature study; Quincy system; Teaching

*Refer from* Attention; Object teaching; Psychology; Psychology, Educational

*Refer from* Medicine — Practice; Midwifery (s); Women — Diseases

*Refer from* Alchemy; Astrology; Cabala; Demonology; Devil worship; Divination; Hermetic art (s); Magic; Psychical research; Science; Superstition; Witchcraft

*Refer from* Astronomy; Astronomy, Spherical and practical; Eclipses; Moon; Planets

*Refer from* Business; Handicraft; Labor and laboring classes; Profession, Choice of; Professions; Success; Trades (s); Vocations (s)

*Refer from* Accidents; Dangerous occupations (s); Employers' liability; Industrial arts; Injurious occupations (s); Occupations — Diseases and hygiene

*Refer from* Diseases (s); Hygiene; Hygiene, Industrial (s); Hygiene, Public; Hygiene of employment (s); Industrial diseases (s); Industrial hygiene (s); Occupational diseases (s); Occupations, Dangerous

*Refer from* Dredging; Earth; Hydrography; Marine zoology; Meteorology; Natural history; Navigation; Oceanography (s); Physical geography; Sea (s); Seashore; Thalassography (s); Tides; Water

*Refer from* Currents (s); Hydrography; Ocean

*Refer from* Navigation; Ocean; Steamboats; Travel; Voyages and travels

*Refer from* Language; Philippine languages; Polynesian languages



Handwritten text: *Handwritten text, possibly a signature or name, followed by "Vienna".*

Oceanography *see* Hydrography; Ocean  
Octateuch *see* Bible — Old Testament — Oc-  
tateuch

**Odd Fellows**

**Odes**

*See also* Lyric poetry

Odontology *see* Teeth

**Odors**

*See also* Incense; Perfumery; Smell

Oecology *see* Ecology

Office, Nominations for, *see* Nominations

Office, Tenure of, *see* Civil service

**Office supplies**

*See also* Card system in business; Cash registers

Official publications *see* Government publica-  
tions

Oil *see* Essences and essential oils; Oils and  
fats; Petroleum

Oil engines *see* Gas and oil engines

**Oil painting**

*See also* Painting

Oil wells *see* Petroleum

Oils, Essential, *see* Essences and essential oils

**Oils and fats**

*See also* Chemistry, Technical; Essences  
and essential oils; Lubrication and lubri-  
cants; Petroleum

**Old age**

*See also* Age; Age limit of employment;  
Homes for the aged; Longevity; Old age  
pensions

Old age homes *see* Homes for the aged

**Old age pensions**

*See also* Civil service pensions

Old English language *see* Anglo-Saxon lan-  
guage; English language — Middle English

Old English literature *see* Anglo-Saxon litera-  
ture; English literature — History and crit-  
icism — Middle English

Old ladies' homes *see* Homes for the aged

Old maids *see* Spinsters

Old Northwest *see* Northwest Territory, U. S.

**Old Saxon language**

*See also* Germanic languages; Low German  
language

Old Testament *see* Bible — Old Testament

**Oleomargarine**

**Oligarchy**

**Olympic games**

**Omens**

*See also* Astrology; Divination; Oracles

**Omnibuses**

✓ **Onomatopoeia**

Ontology *see* Being; Metaphysics; Philosophy

Oology *see* Birds' eggs

*Refer from* Benefit societies; Independent  
order of Odd Fellows (s); Secret societies

*Refer from* Lyric poetry; Poetry

*Refer from* Flowers; Perfumes (s); Scent (s)

*Refer from* Business

*Refer from* Painting

*Refer from* Animal fats (s); Animal oils (s);  
Animal products; Chemistry, Technical; Coal-  
tar products; Fat (s); Fats (s); Grease (s);  
Lubrication and lubricants; Mineral oils (s);  
Oil (s); Vegetable oils (s)

*Refer from* Age; Aged (s); Aged poor (s);  
Longevity

*Refer from* Aged poor (s); Insurance, State  
and compulsory; Labor and laboring classes;  
Old age; Pensions; Poor; Thrift

*Refer from* Germanic languages; Low Ger-  
man language; Saxon language (s)

*Refer from* Butter; Dairy products; Food  
adulteration and inspection

*Refer from* Aristocracy; Government

*Refer from* Athletics; Games; Greece —  
Social life and customs; Sports

*Refer from* Divination; Portents (s); Pres-  
ages (s); Signs (omens) (s); Superstition;  
Warnings (s)

*Refer from* Carriages; Carriers; Coaches  
and coaching; Transportation; Vehicles

*Refer from* Language; Rhetoric



**Open-air schools**

*Refer from* Education; Forest schools (s); Fresh air schools (s); Hygiene; Outdoor schools (s); Public schools; School hygiene; Schools; Tuberculosis

**Open and closed shop**

*See also* Labor unions

*Refer from* Closed shop (s); Labor and laboring classes; Labor unions; Open shop (s); Strikes and lockouts; Union shop (s)

**Open shop** *see* Open and closed shop

**Opera**

*See also* Operettas; Overtures

*Refer from* Amusements; Drama; Dramatic music (s); Grand opera (s); Music; Operettas; Theater

*Refer from* Librettos (s)

*Refer from* Music — Scores

—**Librettos**

—**Scores**

Opera houses *see* Theaters

Operations, Surgical, *see* Surgery

**Operettas**

*See also* Opera

*Refer from* Comic operas (s); Dramatic music (s); Light operas (s); Opera

**Ophidia** *see* Snakes

**Ophthalmia**

*See also* Eye — Diseases and defects

*Refer from* Eye — Diseases and defects

Ophthalmology *see* Eye

Opinion *see* Belief; Public opinion

**Opium**

*See also* Morphine; Narcotic habit; Narcotics

*Refer from* Agricultural products; Agriculture — Tropics; Morphine; Narcotic habit; Narcotics; Temperance

**Opportunity**

*See also* Success

*Refer from* Conduct of life; Success

Optical chemistry *see* Photochemistry

**Optical illusions**

*See also* Mirage

*Refer from* Illusions and hallucinations; Light; Sight

**Optical instruments**

*See also* Astronomical instruments; Kaleidoscope; Lenses; Microscope and microscopy; Polariscope; Reflection (light); Spectacles; Spectroscope; Stereopticon; Stereoscope; Telescope

*Refer from* Aberration; Glass manufacture; Instruments; Light; Optics, Physiological (s); Reflection (light); Scientific apparatus and instruments

Optical interference *see* Interference (light)

Optics *see* Light

Optics, Physiological, *see* Eye; Optical instruments; Sight

**Optimism**

*See also* Cheerfulness; Pessimism

*Refer from* Cheerfulness; Happiness; Pessimism; Philosophy

**Oracles**

*Refer from* Mysteries (religious); Occult sciences; Omens; Prophecies; Religion; Superstition

Oral arithmetic *see* Arithmetic

**Orange**

*See also* Fruit

*Refer from* Fruit; Oranges (s)

**Orangemen**

*Refer from* Ireland — Politics; Ireland — Religious history

Oranges *see* Orange

**Orations**

*See also* After-dinner speeches; Oratory

*Refer from* Addresses (s); Declamation (s); Literature; Oratory; Recitations and readings; Speeches (s)

—**American**

*See also* Fourth of July orations

*Refer from* American literature; American orations (s)

—**English**

*Refer from* English literature; English orations (s)



**Oratorios**

*See also* Cantatas

**Orators****Oratory**

*See also* Debating; Elocution; Eloquence; Gesture; Lectures and lecturing; Orations; Orators; Preaching; Rhetoric; Voice

**Orbits**

*See also* Mechanics, Celestial; Perturbation

Orchard heating *see* Frost protection

Orchards *see* Fruit; Fruit culture

**Orchestral music**

*See also* Instrumental music; Instrumentation and orchestration; Overtures; Symphonies

**Orchestras**

*See also* Bands (music); Conducting (music); Orchestral music; Stringed instruments

Orchestration *see* Instrumentation and orchestration

**Orchids**

*See also* Floriculture

**Ordeals**

*See also* Fire walk

Order of Malta *see* Malta, Knights of

Order of St. George (English) *see* Garter, Order of the

Order of St. John of Jerusalem *see* Malta, Knights of

Order of the Garter *see* Garter, Order of the

Order of Teutonic knights *see* Teutonic knights

Order of the Rosy cross *see* Rosicrucians

Order of the Temple *see* Templars; also Freemasons — Templars

Orders, Architectural, *see* Orders of architecture

Orders, Monastic, *see* Monasticism

Orders, Religious, *see* Religious orders

**Orders of architecture**

*See also* Architecture, Greek; Columns

Orders of knighthood *see* Knights and knighthood

**Ordinance of 1787**

*See also* Northwest Territory; U. S. — History — 1783–1812

**Ordination**

*See also* Clergy

**Ordinance**

*See also* Ammunition; Arsenals; Artillery; Ballistics; Firearms; Gunnery; Gunpowder; Guns; Military art and science; Naval guns; Projectiles

Ordovician period *see* Geology, Stratigraphic — Ordovician; Paleontology — Ordovician

**Ore deposits**

*See also* Geology, Economic; Iron ores; Mines and mineral resources; Ores

Ore dressing *see* Ore treatment

*Refer from* Church music; Music; Sacred music (s)

*Refer from* Biography; Oratory; Speakers (s)

*Refer from* Debating; Elocution; Eloquence; Lectures and lecturing; Orations; Preaching; Public speaking (s); Rhetoric; Speaking (s); Speeches (s); Voice

*Refer from* Astronomy; Mechanics, Celestial; Perturbation; Planets

*Refer from* Instrumental music; Music; Music—Scores; Musical instruments; Orchestras; Symphonies

*Refer from* Bands (music); Conducting (music); Instrumental music; Music

*Refer from* Floriculture; Flowers

*Refer from* Criminal law; Manners and customs; Trials

*Refer from* Architecture; Architecture, Greek; Columns; Orders, Architectural (s)

*Refer from* Northwest Territory; U. S. — History — 1783–1812

*Refer from* Bishops; Church polity; Clergy; Episcopacy; Priests; Rites and ceremonies; Sacraments

*Refer from* Ammunition; Arms and armor; Artillery; Ballistics; Cannon (s); Firearms; Gunnery; Guns; Military art and science; Projectiles

*Refer from* Geology; Geology, Economic; Metals; Mineral lands (s); Mines and mineral resources; Ores



**Ore treatment**

*See also* Cyanide process; Electrometallurgy; Magnetic separation of ores; Metallurgy; Smelting

**Oregon trail****Ores**

*See also* Assaying; Geochemistry; Geology, Economic; Iron ores; Metallurgy; Metals; Mineralogy; Mines and mineral resources; Ore deposits; Ore treatment; *also* names of metals

**Organ**

*See also* Musical instruments; Organ music; Organists; Reed organ

**Organ music**

*See also* Church music

Organic chemistry *see* Chemistry, Organic

**Organists**

*See also* Musicians

Organized charity *see* Charity organization

Organized labor *see* Labor unions

Organography *see* Anatomy; Botany, Structural; Morphology

**Organotherapy**

*See also* Serum therapy

Organs *see* Organ

Orient *see* East

Oriental architecture *see* Architecture, Oriental

Oriental civilization *see* Civilization, Oriental

**Oriental languages**

*See also* Armenian language; Chinese language; Dravidian languages; Indo-Aryan languages; Iranian languages; Japanese language; Semitic languages; Tamil language and literature

**Oriental literature**

*See also* Arabic literature; Assyro-Babylonian literature; Chinese literature; Hebrew literature; Hindu literature; Japanese literature; Persian literature; Sanskrit literature; Tamil language and literature

Oriental philosophy *see* Philosophy, Oriental

**Orientation****Orientation (architecture)**

Origin of life *see* Life — Origin

Origin of man *see* Man — Origin and antiquity

Origin of species *see* Evolution; Species

Original sin *see* Sin

Oriskany formation *see* Geology, Stratigraphic — Devonian; Paleontology — Devonian

Ornament *see* Decoration and ornament

Ornamental alphabets *see* Illumination of manuscripts and books; Lettering

Ornamental design *see* Design, Decorative

**Ornithologists**

*See also* Naturalists

Ornithology *see* Birds

Orology *see* Mountains

Orphan asylums *see* Orphans and orphan asylums

*Refer from* Metallurgy; Ore dressing (s); Ores; Smelting

*Refer from* Indian trails; Roads — U. S.; Northwestern states; Trails (s); Western states

*Refer from* Assaying; Geochemistry; Geology, Economic; Metallurgy; Metals; Mineralogy; Minerals (s); Mines and mineral resources; Ore deposits

*Refer from* Musical instruments; Organs (s); Pipe organ (s)

*Refer from* Church music; Instrumental music; Music — Scores; Organ

*Refer from* Musicians; Organ

*Refer from* Therapeutics

*Refer from* Armenian language; Asiatic languages (s); Chinese language; Dravidian languages; Indo-Aryan languages; Iranian languages; Japanese language; Language; Semitic languages

*Refer from* Arabic literature; Asia — Literature (s); Asiatic literature (s); Assyro-Babylonian literature; Chinese literature; Hebrew literature; Hindu literature; Japanese literature; Literature; Persian literature; Sanskrit literature; Tamil language and literature

*Refer from* Animals — Habits and behavior; Animals — Orientation (s); Direction, Sense of (s); Instinct

*Refer from* Architecture; Church architecture

*Refer from* Naturalists; Scientists; Zoologists





**Orphans and orphan asylums**

*See also* Adoption; Charity schools; Children — Charities, protection, etc.; Foundlings

*Refer from* Asylums; Charities; Charity schools; Children; Children — Charities, protection, etc.; Foundlings; Homes (institutions) (s); Orphan asylums (s)

Orthodox eastern church *see* Greek church

**Orthodoxy**

*See also* Calvinism; Congregationalism

*Refer from* Calvinism; Congregationalism; Theology

Orthoepy *see* Phonetics; Pronunciation

Orthographic projection *see* Projection

Orthography *see* Spelling

Orthopedics *see* Deformities

**Orthoptera**

*See also* Insects; Locusts

*Refer from* Insects; Locusts

**Osmosis**

*See also* Absorption (physiology); Chemistry, Physical; Solution (chemistry)

*Refer from* Absorption (physiology); Cells; Chemistry, Physical; Fluids; Physics; Physiological chemistry; Solution (chemistry)

Osteology *see* Bones

**Osteopathy**

*See also* Mechanotherapy

*Refer from* Mechanotherapy; Therapeutics

**Ostriches**

*See also* Birds

*Refer from* Birds

Ostrogoths *see* Goths

Otology *see* Ear

**Outdoor life**

*See also* Camping; Country life; Farm life; Fishing; House boats; Hunting; Mountaineering; Natural history; Nature; Picnics; Sports; Vacations; Walking; Wayfaring life

*Refer from* Camping; Country life; Natural history; Nature; Rural life (s); Sports; Vacations; Wayfaring life

**Outdoor relief**

*See also* Charities

*Refer from* Charities; Relief work (s)

Outdoor schools *see* Open-air schools

**Outlaws**

*See also* Brigands and robbers; Crime and criminals

*Refer from* Brigands and robbers; Crime and criminals

**Ovens**

*See also* Baking; Stoves

*Refer from* Baking; Cookery; Stoves

Overland journeys to the Pacific [for pre-rail-road journeys only]

*See also* Frontier and pioneer life; Western states

*Refer from* Frontier and pioneer life; Transcontinental journeys, U. S. (s); U. S. — Description and travel; Western states

**Overpressure (education)**

*See also* Curriculum; Overwork

*Refer from* Curriculum; Education; Fatigue, Mental; Overwork; School hygiene; School management

**Overtures**

*Refer from* Instrumental music; Music; Opera; Orchestral music

**Overwork**

*See also* Fatigue; Overpressure (education); Rest

*Refer from* Fatigue; Hygiene; Overpressure (education); Work

Ownership *see* Property

Ox *see* Oxen

**Oxen**

*See also* Cattle; Live stock

*Refer from* Cattle; Live stock; Ox (s)  
*Refer from* Catholic church; Church of England; Puseyism (s); Tractarianism (s)

**Oxford movement****Oxygen****Oysters**

*See also* Bivalves; Pearls

*Refer from* Chemical elements; Gases

*Refer from* Bivalves; Food; Mollusks; Sea food

**Ozone**

Pacific cable *see* Cables, Submarine

*Refer from* Air; Gases



**Pacific coast**

*See also* Pacific states

**Pacific states**

*See also* Frontier and pioneer life; Pacific coast; Western states; *also* names of states

Pacing *see* Horse; Horse racing

**Pack transportation**

**Packing for shipment**

**Packing houses**

*See also* Packing industry

**Packing industry**

*See also* Beef; Meat; Meat inspection; Packing houses; Slaughtering and slaughterhouses

**Padrone system**

*See also* Contract labor

Pagan civilization *see* Civilization, Pagan

**Paganism**

*See also* Idolatry; Mythology

**Pageants**

*See also* Coronations; Festivals; Play festivals; Processions

**Pain**

*See also* Anesthetics; Pleasure; Suffering; Vivisection

**Paint**

*See also* Chemistry, Technical; Color; Corrosion and anti-corrosives; Painting

Painted glass *see* Stained glass

**Painters**

*See also* Artists

**Painting**

*See also* Anatomy, Artistic; Animal painting and illustration; Art; China painting; Christian art and symbolism; Color; Composition (art); Decoration and ornament; Drawing; Esthetics; Figure painting; Flower painting and drawing; Frescoes; Idealism in art; Illumination of manuscripts and books; Impressionism (art); Landscape painting; Marine painting; Miniature painting; Mural painting and decoration; Naturalism in art; Oil painting; Paint; Painters; Painting, Mechanical; Paintings; Pastel; Perspective; Portrait painting; Prerafaelism; Proportion (art); Realism in art; Scene painting; Sepia painting; Stained glass; Stencil work; Water color painting

—**Italian**

—**Mechanical**

*See also* Carriage painting; Color; Gilding; Graining; House painting; Lettering; Marbling; Paint; Sign painting; Stains and staining; Varnish and varnishing; Wood finishing

**Paintings**

*See also* Art — Exhibitions; Art — Galleries and museums; Art forgeries; Madonnas; Painting; Pictures; Portraits

Paints *see* Paint

*Refer from* Pacific states

*Refer from* Pacific coast; Western states

*Refer from* Horse; Transportation

*Refer from* Baggage; Commerce; Transportation

*Refer from* Architecture; Packing industry

*Refer from* Beef; Canned food (s); Food supply; Meat; Packing houses; Slaughtering and slaughterhouses

*Refer from* Contract labor; Italians in the U. S.; Labor and laboring classes

*Refer from* Heathenism (s); Idolatry; Religion

*Refer from* Acting; Amusements; Drama; Entertainments; Festivals; Processions

*Refer from* Diagnosis; Emotions; Pleasure; Psychology, Physiological; Senses and sensation; Suffering

*Refer from* Chemistry, Technical; Corrosion and anti-corrosives; Painting; Painting, Mechanical; Paints (s); Pigments (s)

*Refer from* Artists; Painting; Portrait painters (s)

*Refer from* Archaeology; Art; Color; Composition (art); Decoration and ornament; Drawing; Esthetics; Figure painting; Graphic arts (s); Landscape painting; Marine painting; Oil painting; Paint; Paintings; Sketching (s); Water color painting

*Refer from* Italian painting (s)

*Refer from* Carriage painting; Graining; House painting; Industrial arts; Mechanical painting (s); Painting; Sign painting; Varnish and varnishing; Wood finishing

*Refer from* Art — Galleries and museums; Painting; Pictures

✓ Pan-American Bldg.  
great

**Palaces**

*See also* Architecture; Castles; *also* names of palaces, e.g. Alhambra, Louvre, Versailles (palace), Windsor castle

**Palaeontology** *see* Paleontology

**Paleobotany** *see* Fossil plants

**Paleography**

*See also* Abbreviations; Alphabet; Books; Charters; Illumination of manuscripts and books; Inscriptions; Manuscripts; Writing

**Paleolithic period** *see* Stone age

**Paleontology** [subdivided like Geology, Stratigraphic]

*See also* Animals, Extinct; Footprints, Fossil; Fossil plants; Geology; *also* names of fossil animals, e.g. Mammoths, Trilobites; and subhead Fossil under names of animals and classes of animals, e.g. Birds, Fossil; Insects, Fossil; Invertebrates, Fossil; Mollusks, Fossil; Reptiles, Fossil

— U. S.

*See also* Geology — U. S.

**Paleozoic era** *see* Geology, Stratigraphic — Paleozoic; Paleontology — Paleozoic

**Palmistry**

**Palsy** *see* Paralysis

**Panama canal**

*See also* Canal Zone; Ship canals

**Panics**

*See also* Business depression; Speculation; Unemployed

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**Panislamism****Panoramas**

*See also* Cycloramas

**Panslavism****Pantheism**

*See also* God; Monism; Vedanta

**Pantomime**

*See also* Amateur theatricals; Ballet; Gesture; Puppet plays; Shadow pantomimes

**Papacy** *see* Catholic church; Popes

**Papal bulls** *see* Bulls, Papal

**Papal schism** *see* Schism, The great western, 1378-1417

**Paper**

*See also* Cellulose; Marbling; Paper work; Papier-maché; Papyrus; Parchment; Stationery; Wall paper; Wood pulp

**Paper cutting** *see* Paper work

**Paper flowers**

**Paper hanging** *see* Wall paper

*Refer from* Architecture

*Refer from* Alphabet; Archives; Diplomatics (s); Illumination of manuscripts and books; Inscriptions; Manuscripts; Writing

*Refer from* Animals, Extinct; Animals, Fossil (s); Extinct animals (s); Fossil plants; Fossils (s); Geology; Geology, Stratigraphic; Mammoths; Man; Natural history; Palaeontology (s); Petrification (s); Science; Zoology

*Refer from* Geology — U. S.; U. S. — Paleontology (s)

*Refer from* Amusements; Character; Character reading (s); Cheiromnomy (s); Cheiromancy (s); Cheirosophy (s); Chirognomy (s); Chiromancy (s); Chirosohy (s); Divination; Fortune telling; Hand; Superstition

*Refer from* Canal Zone; Canals; Isthmian canal (s); Ship canals

*Refer from* Business; Business depression; Commerce; Commercial crises (s); Crises, Commercial (s); Economics; Finance; Financial crises (s); Hard times (s); Prices; Prosperity; Speculation; Stock exchange

*Refer from* Eastern question (Near East); Mohammedanism

*Refer from* Cycloramas; Entertainments; Pictures

*Refer from* Eastern question (Near East); Europe — Politics; Russia; Slavs

*Refer from* God; Monism; Philosophy; Religion; Skepticism; Theology

*Refer from* Acting; Amateur theatricals; Amusements; Ballet; Drama; Entertainments; Gesture; Sign language; Theater

*Refer from* Cellulose; Chemistry, Technical; Manufactures; Parchment; Printing; Stationery; Wood pulp; Writing

*Refer from* Artificial flowers; Flowers; Paper work

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**Paper money**

*See also* Bank notes; Banks and banking; Finance; Greenbacks; Legal tender; Money

**Paper work** [for children]

*See also* Paper flowers

**Papier-maché**

Papyri *see* Manuscripts

**Papyrus****Parables**

*See also* Allegories; Bible — New Testament — Gospels; Fables; Jesus Christ — Teaching

Paradise *see* Eden; Heaven

**Parallax**

*See also* Astronomy; Astronomy, Spherical and practical

**Paralysis**

*See also* Apoplexy

Paramagnetism *see* Magnetism

**Parasites**

*See also* Bacteriology; Fungi; Hookworm disease; Insects, Injurious and beneficial

**Parcels post**

*See also* Library post

**Parchment**

*See also* Paper

**Pardon****Parental schools**

*See also* Truant schools

**Parents**

*See also* Ancestor worship; Children; Domestic relations; Eugenics; Family; Fathers; Home education; Heredity; Mothers

Parish schools *see* Church schools

**Parks**

*See also* Amusement parks; Botanical gardens; Commons; Landscape gardening; Municipal improvement; National parks and reserves; Playgrounds; Zoological gardens; *also* names of cities, subhead Parks

Parliament *see* England — Parliament; *also* names of other countries

**Parliamentary practice**

*See also* Amendments (parliamentary practice); Committees; Legislative bodies

Parochial schools *see* Church schools

**Parodies**

*See also* Burlesques

**Parole**

*See also* Discharged prisoners; Probation system

*Refer from* Bank notes; Bills of credit (s); Bills of exchange (s); Fiat money (s); Greenbacks; Legal tender; Money

*Refer from* Busy work; Kindergarten; Paper; Paper cutting (s); Manual training

*Refer from* Paper

*Refer from* Paper

*Refer from* Allegories; Bible; Bible — New Testament — Gospels; Fables; Jesus Christ — Teaching

*Refer from* Astronomy; Astronomy, Spherical and practical; Heliometer; Solar parallax (s); Stars; Stellar parallax (s); Sun

*Refer from* Brain; Hemiplegia (s); Medicine — Practice; Palsy (s)

*Refer from* Animal parasites (s); Animals — Diseases; Biology; Botany; Entozoa (s); Epizoa (s); Helminthology (s); Insects, Injurious and beneficial; Medicine — Practice; Pathology; Plants — Diseases; Worms; Zoology

*Refer from* Express companies; Library post; Postal service

*Refer from* Manuscripts; Paper

*Refer from* Crime and criminals; Executive power; Law

*Refer from* Juvenile delinquency; Schools; Truant schools

*Refer from* Children; Domestic relations; Family; Fathers; Mothers

*Refer from* Botanical gardens; Cities; Commons; Land; Landscape gardening; Municipal improvement; Playgrounds

*Refer from* Amendments (parliamentary practice); Committees; Debating; Law; Legislation; Legislative bodies; Rules of order (s)

*Refer from* American literature; Burlesques; English literature; German literature; Humor; Literature; Poetry; Satire

*Refer from* Crime and criminals; Discharged prisoners; Indeterminate sentence; Prisons; Probation system; Punishment





**Parrots**

*See also* Birds

**Parsees**

*See also* Avesta; Fire worship; Zoroastrianism

Parsis *see* Parsees

Parsons *see* Clergy

Part songs *see* Choruses and part songs

**Parthenogenesis**

Parties *see* Balls (parties); Children's parties; Entertaining

Parties, Political, *see* Political parties

**✓ Partnership**

*See also* Agency; Bankruptcy; Commercial law; Corporations; Joint-stock companies; Trade-marks

Party government *see* Political parties

Party platforms *see* Platforms, Political

Passenger coaches *see* Cars

**Passes (free transportation)****Passion plays**

*See also* Miracle, morality and mystery plays; Oberammergau passion play

Passions *see* Emotions

**Passover**

*See also* Jews — Religion; Lord's supper

**Passports****Paste**

*See also* Adhesives; Glue

**Pastel****Pasteurism**

Pastimes *see* Amusements; Games; Sports

**Pastoral poetry**

*See also* Nature in poetry

Pastoral theology *see* Clergy; Pastoral work

**Pastoral work**

*See also* Clergy; Preaching

Pastors *see* Clergy; Pastoral work; Preachers; Priests

**Pastry**

*See also* Baking; Cookery

**Pastures and meadows**

*See also* Forage plants; Grasses; Grazing; Hay

Patent medicines *see* Medicines, Proprietary

**Patents**

*See also* Inventions; Trade-marks

**Paternalism**

*See also* Despotism; Government ownership; Government regulation of industry; Socialism

Pathological botany *see* Plants — Diseases

*Refer from* Birds

*Refer from* Avesta; Fire worship; India — Religion; Parsis (s); Religions; Zoroastrianism

*Refer from* Biology; Embryology; Reproduction

*Refer from* Commerce; Commercial law; Contracts; Joint-stock companies; Law

*Refer from* Railroad passes (s); Railroads; Railroads — Passes (s); Railroads — Rates

*Refer from* Drama; Miracle, morality and mystery plays; Theater

*Refer from* Jews; Jews — Religion; Lord's supper

*Refer from* International law; Travel

*Refer from* Adhesives; Glue

*Refer from* Art; Crayon drawing; Drawing; Painting

*Refer from* Hydrophobia; Inoculation

*Refer from* Bucolic poetry (s); Country life; Eclogues (s); Nature in poetry; Poetry; Rural poetry (s)

*Refer from* Church work; Clergy; Pastoral theology (s); Pastors (s); Theology, Pastoral (s)

*Refer from* Baking; Cookery; Pies (s)

*Refer from* Agriculture; Forage plants; Grasses; Grazing; Hay; Meadows (s); Rotation of crops

*Refer from* Discoveries (in science) (s); Industrial arts; Intellectual property (s); Inventions; Law; Letters patent (s); Machinery; Manufactures; Property, Intellectual (s); Trade-marks

*Refer from* Despotism; Government; Government regulation of industry; Socialism



Pathological chemistry *see* Physiological chemistry

Pathological psychology *see* Mental diseases

**Pathology**

*See also* Abscess; Autopsy; Bacteriology; Blood; Contagion and contagious diseases; Diagnosis; Fever; Germ theory of disease; Hair; Hemorrhage; Histology; Hygiene; Immunity; Inflammation; Longevity; Malaria; Medical geography; Medicine; Medicine — Practice; Parasites; Physiological chemistry; Ptomaines; Suppuration; Temperament; Therapeutics; Toxins; Tumors

—Vegetable, *see* Plants — Diseases

**Patience**

Patience (game) *see* Solitaire

Patriarchal government *see* Patriarchy

**Patriarchs**

*See also* Bible — Old Testament — Genesis

**Patriarchy**

*See also* Tribes and tribal system

**Patriotic societies**

*See also* U. S. — History — Revolution — Societies; U. S. — History — Civil war — Societies

Patriotic songs *see* National songs; War songs

**Patriotism**

*See also* Citizenship; Loyalty; Preservation of landmarks, scenery, etc.

**Patriots' day**

Patristics *see* Fathers of the church

Petrology *see* Fathers of the church

Patrons of husbandry *see* Grange

**Pattern making**

*See also* Foundry work; Mechanical drawing

Pauline epistles *see* Bible — New Testament — Epistles

Pauperism *see* Poor

**Pavements**

*See also* Asphalt; Bricks; Concrete; Mosaics; Roads; Roads, Macadamized; Sidewalks; Streets

Paving *see* Pavements

**Pawnbroking**

*See also* Bailments

Pawnshops *see* Pawnbroking

**Peace**

*See also* Arbitration, International; Disarmament; International relations; Militarism; Nonresistance; War

**Peach**

*See also* Fruit

**Pear**

*See also* Fruit

**Pearls**

Pears *see* Pear

*Refer from* Diagnosis; Disease (s); Hygiene; Medicine; Physiology; Therapeutics

*Refer from* Conduct of life; Ethics

*Refer from* Bible; Bible — Old Testament — Biography; Bible — Old Testament — Genesis; Jews

*Refer from* Family; Government; Patriarchal government (s); Tribes and tribal system

*Refer from* Societies; U. S. — History — Revolution — Societies; U. S. — History — Civil war — Societies

*Refer from* Citizenship; Conduct of life; Ethics; Government; Loyalty; Political ethics; Public spirit (s)

*Refer from* Holidays

*Refer from* Foundry work; Machine shop practice; Machinery; Mechanical drawing; Metals

*Refer from* Asphalt; Bricks; Cement; Concrete; Floors; Municipal engineering; Municipal improvement; Paving (s); Roads; Sidewalks; Streets

*Refer from* Bailments; Banks and banking; Commerce; Pawnshops (s)

*Refer from* Arbitration, International; Disarmament; Ethics; International law; International relations; Militarism; Nonresistance; Sociology; War

*Refer from* Fruit

*Refer from* Fruit; Pears (s)

*Refer from* Diving; Jewelry; Mollusks; Oysters; Precious stones



**Peasantry**

*See also* Farm labor; Peasants' war; Villeinage

**Peasants' war, 1524-1525**

*See also* Anabaptists; Germany — History — 1517-1740; Reformation — Germany

**Peat**

*See also* Briquets; Geology, Economic

**Pedagogy** *see* Teaching**Peddlers and peddling**

*See also* Salesmanship; Street cries

**Pedestrianism** *see* Walking

**Pediatrics** *see* Children — Care and hygiene; Children — Diseases

**Pedigrees** *see* Genealogy; Heraldry; Horse

**Peerage**

*See also* Aristocracy; Heraldry; Knights and knighthood; Titles of honor and nobility

**Pelagianism**

*See also* Church history — Early church

**Pelagic fauna** *see* Marine zoology

**Pellagra****Peloponnesian war**

*See also* Greece — History

**Pen and ink drawing** *see* Pen drawing

**Pen drawing**

**Penal codes** *see* Criminal law

**Penal colonies**

*See also* Exile; Siberia — Exiles

**Penal institutions** *see* Penal colonies; Prisons; Reformatories

**Penal law** *see* Criminal law

**Penance**

*See also* Absolution; Church discipline; Confession; Fasting; Pilgrimages; Repentance

**Pendulum**

*See also* Earth — Rotation; Gravitation

**Peninsular campaign, 1862**

*See also* Army of the Potomac; U. S. — History — Civil war

**Peninsular war, 1807-1814**

*See also* Europe — History — 1789-; Napoleonic wars; Spain — History — 1700-

**Penitence** *see* Repentance

**Penitentes** *see* Flagellants

**Penitentiaries** *see* Prisons

*Refer from* Agriculture; Country life; Farm labor; Feudalism; Labor and laboring classes

*Refer from* Anabaptists; Germany — History — 1517-1740; Peasantry; Reformation — Germany

*Refer from* Bog fuel (s); Fertilizers and manures; Fuel; Geology, Economic; Physical geography

*Refer from* Business; Commercial travelers; Hucksters (s); Merchants; Street cries

*Refer from* Aristocracy; Baronage (s); Baronetage (s); Biography; Class distinction; Genealogy; Heraldry; Knightage (s); Knights and knighthood; Nobility (s); Titles of honor and nobility

*Refer from* Church history — Early church; Theology

*Refer from* Medicine — Practice; Skin — Diseases

*Refer from* Greece — History

*Refer from* Drawing; Pen and ink drawing (s)

*Refer from* Banishment (s); Colonies and colonization; Convicts (s); Crime and criminals; Deportation (s); Exile; Exportation (s); Labor colonies (s); Penal institutions (s); Prisons; Punishment; Transportation of criminals (s)

*Refer from* Absolution; Catholic church; Church discipline; Church polity; Confession; Pilgrimages; Repentance; Sacraments; Theology

*Refer from* Clocks and watches; Geodesy; Gravitation; Physics; Timekeepers

*Refer from* Army of the Potomac; U. S. — History — Civil war — Campaigns and battles

*Refer from* England — History — 1714-1837; Europe — History — 1789-; France — History — Consulate and empire; Napoleonic wars; Portugal — History; Spain — History — 1700-

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*See Handwriting*  
**Penmanship**

*See also* Graphology; Lettering; Writing

Pennsylvania Dutch *see* Germans in Pennsylvania

Pennsylvania Germans *see* Germans in Pennsylvania

Penny lunches *see* School lunches

Penology *see* Punishment

**Pens**

**7 Pensions**

*See also* Annuities; Bounties, Military; Civil service pensions; Old age pensions; Railroads — Pensions; Soldiers' homes; Teachers — Salaries, pensions, etc.

— U. S.

Pentateuch *see* Bible — Old Testament — Pentateuch

**Peonage**

*See also* Contract labor

**People**

*See also* Democracy; Folklore; Labor and laboring classes; Liberty; Nations; Poor; Public opinion; Sociology

People's palaces *see* Social centers

**Pequot war, 1636-1638**

*See also* Connecticut — History; Indians — Wars; U. S. — History — Colonial period

**Perception**

*See also* Apperception; Hearing; Psychology; Senses and sensation; Sight; Space perception

Perfection, Christian, *see* Sanctification

**Perfumery**

*See also* Chemistry, Technical; Incense

Perfumes *see* Odors; Perfumery

**Pergolas**

*See also* Architecture

**Periodic law**

*See also* Chemistry, Physical

**Periodicals**

*See also* Advertising; Chapbooks; Children's periodicals; Journalism; Liberty of the press; Newspapers; Students' periodicals; *also* subhead Periodicals under various subjects

— **England**

*See also* Newspapers — England

— **Indexes**

— **U. S.**

*See also* Newspapers — U. S.

**Perjury**

*See also* Oaths; Witnesses

*Refer from* Business education; Calligraphy (s); Chirography (s); Graphology; Handwriting (s); Writing

*Refer from* Manufactures; Writing

*Refer from* Annuities; Compensation (s); Poor; Soldiers

*Refer from* U. S. — Pensions (s)

*Refer from* Contract labor; Labor and laboring classes; Serfdom; Slavery

*Refer from* Sociology

*Refer from* Connecticut — History; Indians — Wars; New England — History; U. S. — History — Colonial period

*Refer from* Apperception; Consciousness; Intellect; Knowledge; Psychology; Psychology, Educational; Senses and sensation; Space perception

*Refer from* Chemistry, Technical; Cosmetics; Costume; Essences and essential oils; Manufactures; Odors; Perfumes (s); Scent (s); Toilet

*Refer from* Architecture; Landscape gardening

*Refer from* Atomic weights; Chemical elements; Chemistry; Chemistry, Physical; Metals

*Refer from* Journalism; Literature; Magazines (s); Newspapers; Press (s)

*Refer from* English literature; English periodicals (s); Newspapers — England  
*Refer from* Bibliography; Indexes

*Refer from* American literature; American periodicals (s); Newspapers — U. S.; U. S. — Periodicals (s)

*Refer from* Crime and criminals; Criminal law; Oaths; Witnesses





Permian period *see* Geology, Stratigraphic —  
Permian; Paleontology — Permian

**Perpetual motion**

**Persecution**

*See also* Albigenses; Church and state;  
Friends, Society of; Huguenots; Inquisition;  
Jews — Persecution; Liberty of conscience;  
Martyrs; Massacres; Religious liberty;  
Witchcraft

**Persian language**

*See also* Iranian languages

**Persian literature**

*See also* Avesta; Oriental literature;  
Persian poetry

**Persian poetry**

*See also* Persian literature

Personal beauty *see* Beauty, Personal

Personal liberty *see* Liberty

Personal names *see* Names, Personal

**Personal property**

*See also* Property; Sale; Taxation

Personal religion *see* Christian life and charac-  
ter; Spiritual life

**Personality**

*See also* Consciousness; Individuality;  
Psychical research; Psychology; Soul

Personalty *see* Personal property

**Perspective**

*See also* Drawing; Projection; Proportion  
(art); Shades and shadows

**Perturbation**

*See also* Mechanics, Celestial; Orbits;  
Planets; Satellites

**Pessimism**

*See also* Optimism

Pestilences *see* Epidemics

Pests *see* Agricultural pests; Fungi; House-  
hold pests; Insects, Injurious and beneficial;  
*also* Cotton — Diseases and pests, and  
similar headings

**Petition, Right of**

Petrifaction *see* Petrified forests; Paleontology

**Petrified forests**

*See also* Trees, Fossil

Petrography *see* Rocks

Petrol *see* Gasoline

Petrol engines *see* Gas and oil engines

**Petroleum**

*See also* Coal-tar products; Gas; Gasoline;  
Geology, Economic; Lamps; Liquid fuel

Petroleum engines *see* Gas and oil engines

Petrology *see* Rocks

**Pets**

*See also* Cage birds; Cats; Dogs; Domestic  
animals

*Refer from* Mechanics; Motion

*Refer from* Catholic church; Church his-  
tory; Fanaticism; Heresy; Inquisition; Liber-  
ty of conscience; Martyrs; Religious liberty

*Refer from* Iranian languages

*Refer from* Oriental literature; Persian  
poetry

*Refer from* Persian literature

*Refer from* Chattels (s); Law; Personalty (s);  
Property

*Refer from* Character; Consciousness;  
Double consciousness (s); Double personal-  
ity (s); Dual personality (s); Identity, Person-  
al (s); Individuality; Metaphysics; Multiple  
personality (s); Philosophy; Psychical re-  
search; Psychology; Soul; Subconsciousness

*Refer from* Drawing; Geometrical drawing;  
Geometry; Geometry, Descriptive; Light;  
Mechanical drawing; Painting; Projection;  
Proportion (art); Shades and shadows

*Refer from* Astronomy; Mechanics, Celestial;  
Orbits; Planets; Satellites

*Refer from* Optimism; Philosophy

*Refer from* Government; Law; Right of  
petition (s)

*Refer from* Forests, Petrified (s); Fossil  
plants; Petrifaction (s); Trees, Fossil

*Refer from* Chemistry, Technical; Coal  
oil (s); Coal-tar products; Commercial prod-  
ucts; Fuel; Gas; Geology, Economic; Kero-  
sene (s); Lighting; Liquid fuel; Mineral  
oils (s); Oil (s); Oil wells (s); Wells

*Refer from* Animals; Domestic animals

7 Philadelphia

7 Philadelphia

**Pewter**

*See also* Alloys

Phallic worship *see* Phallicism

**Phallicism****Phanerogams**

*See also* Botany, and references under that subject

Phansigars *see* Thugs

Phantoms *see* Apparitions

**Pharmacists**

*See also* Chemists

Pharmacognosy *see* Drugs; Pharmacy

Pharmacology *see* Drugs; Pharmacy

**Pharmacopoeias**

*See also* Dispensatories; Drugs; Materia medica

**Pharmacy**

*See also* Dispensatories; Drugs; Homeopathy; Materia medica; Medical botany; Pharmacists; Pharmacopoeias; Prescriptions

**Philanthropists**

*See also* Philanthropy

**Philanthropy**

*See also* Altruism; Charitable societies; Charities; Charity; Philanthropists; Social settlements; Social work

Philately *see* Postage stamps

**Philippine languages**

*See also* Oceanic languages

Philology *see* Language

**Philosophers****Philosopher's stone**

*See also* Alchemy; Elixir of life

Philosophical instruments *see* Scientific apparatus and instruments

**Philosophy**

*See also* Agnosticism; Analogy; Atheism; Axioms; Being; Belief; Biology; Causation; Certainty; Chance; Christianity; Creation; Critical philosophy; Deism; Dualism; Egoism; Empiricism; Enlightenment; Epicureans; Esthetics; Eternity; Ethics; Evidence; Evolution; Fate and fatalism; Force and energy; Future life; Gnosticism; God; Hedonism; Humanism; Idealism; Individuality; Infinite; Intellect; Knowledge; Liberty; Life; Logic; Man; Manicheism; Materialism; Matter; Metaphysics; Mind and body; Monadology; Monism; Mysticism; Natural religion; Naturalism; Nature; Necessity; Neoplatonism; New thought; Nihilism; Optimism; Pantheism; Personality; Pessimism; Philosophers; Physics; Platonists; Pluralism; Positivism; Pragmatism; Psychology; Rationalism; Realism; Reality; Reason; Religion; Religion and science; Scholasticism; Science; Skepticism; Sophists; Soul; Space; Spiritualism; Stoics; Supernatural; Taoism; Teleology; Theism; Theology; Theosophy; Thought and think-

*Refer from* Alloys; Arts and crafts; Hall marks; Lead; Metal work; Plate; Tin

*Refer from* Nature worship; Phallic worship (s); Sex worship (s)

*Refer from* Botany

*Refer from* Apothecaries (s); Biography; Chemists; Druggists (s); Pharmacy

*Refer from* Dispensatories; Drugs; Materia medica; Medical botany; Pharmacy

*Refer from* Chemistry; Chemistry, Medical (s); Chemistry, Pharmaceutical (s); Drugs; Materia medica; Medical botany; Medical chemistry (s); Medicine; Pharmacognosy (s); Pharmacology (s); Prescriptions; Therapeutics

*Refer from* Biography; Philanthropy

*Refer from* Benevolence (s); Charities; Ethics; Gifts; Giving (s); Philanthropists; Poor

*Refer from* Oceanic languages

*Refer from* Biography; Philosophy

*Refer from* Alchemy; Elixir of life; Stone, Philosopher's (s)

*Refer from* Ethics; Knowledge; Life; Mental philosophy (s); Metaphysics; Ontology (s); Psychology; Reason; Religion; Science; Theology; Thought and thinking



**Philosophy**—Continued

ing; Time; Transcendentalism; Truth; Universe; Utilitarianism; Will; *also* subhead Philosophy under various subjects, e.g. History—Philosophy

—**Ancient**

*See also* Philosophy, Greek; Philosophy, Oriental

—**Chinese**

*See also* Philosophy, Oriental; Taoism

—Critical, *see* Critical philosophy

—**English**

*See also* Philosophy, Modern; Utilitarianism

—**French**

*See also* Encyclopedists; Philosophy, Modern; Positivism

—**German**

*See also* Critical philosophy; Philosophy, Modern; Transcendentalism

—**Greek**

*See also* Epicureans; Philosophy, Ancient; Platonists; Sophists; Stoics

—**Hindu**

*See also* Philosophy, Oriental; Vedanta; Yoga

—**Medieval**

*See also* Scholasticism

—**Modern**

*See also* Agnosticism; Enlightenment; Evolution; New thought; Pragmatism; Rationalism; Transcendentalism; *also* Philosophy, English; Philosophy, French; Philosophy, German; etc.

—Moral, *see* Ethics

—Natural, *see* Physics

—**Oriental**

*See also* Philosophy, Chinese; Philosophy, Hindu; Philosophy, Persian

—**Persian**

*See also* Manicheism; Philosophy, Oriental

Philosophy of history *see* History—Philosophy  
Philosophy of religion *see* Religion—Philosophy

Phlebotomy *see* Bloodletting

Phonetic spelling *see* Spelling reform

**Phonetics**

*See also* Alphabet; Pronunciation; Speech; Spelling

**Phonograph**

*See also* Telephonograph

Phonography *see* Shorthand

Phonology *see* Phonetics

**Phosphates**

*See also* Bone products; Fertilizers and manures; Geology, Economic

**Phosphorescence**

*Refer from* Philosophy, Greek

*Refer from* Chinese philosophy (s); Philosophy, Oriental; Taoism

*Refer from* English philosophy (s); Philosophy, Modern; Utilitarianism

*Refer from* French Philosophy (s); Philosophy, Modern; Positivism

*Refer from* Critical philosophy; German philosophy (s); Philosophy, Modern

*Refer from* Epicureans; Greek philosophy (s); Philosophy, Ancient; Platonists; Sophists; Stoics

*Refer from* Hindu philosophy (s); Hinduism; Philosophy, Oriental; Vedanta; Yoga

*Refer from* Medieval philosophy (s); Scholasticism

*Refer from* Modern philosophy (s); Philosophy, English; Philosophy, French; Philosophy, German

*Refer from* Oriental philosophy (s); Philosophy, Ancient; Philosophy, Chinese; Philosophy, Hindu; Philosophy, Persian

*Refer from* Manicheism; Philosophy, Oriental

*Refer from* Language; Orthoepy (s); Phonology (s); Pronunciation; Sound

*Refer from* Electricity; Gramophone (s); Graphophone (s); Sound; Talking machines (s)

*Refer from* Agricultural chemistry; Bone products; Fertilizers and manures; Geology, Economic

*Refer from* Botany—Physiology; Light; Ocean; Radioactivity; Zoology



**Photochemistry**

*See also* Chemistry, Physical; Photographic chemistry

**Photochronograph**

*See also* Ballistics

**Photo-engraving**

*See also* Photogravure; Photomechanical processes

Photo-etching *see* Photo-engraving

Photogrammetry *see* Photographic surveying

**Photographic chemistry**

*See also* Photochemistry; Photography — Printing processes

**Photographic optics**

*See also* Lenses

**Photographic surveying****Photographs****Photography**

*See also* Astronomical photography; Blue prints; Cameras; Collotype; Color photography; Daguerreotypes; Ferrotypes; Heliotype; Lenses; Moving pictures; Nature photography; Photochronograph; Photo-engraving; Photographic chemistry; Photographic optics; Photographic surveying; Photographs; Photogravure; Photolithography; Photomechanical processes; Photomicrography; Radiography; Stereopticon; Telephotography

**—Animals**

*See also* Nature photography

—Astronomical, *see* Astronomical photography

—Color, *see* Color photography

**—Composite****—Flash-light****—History**

—Nature, *see* Nature photography

**—Plants**

*See also* Nature photography

**—Printing processes**

*See also* Blue prints; Photographic chemistry

Photography of animals *see* Photography — Animals

Photography of nature *see* Nature photography

Photography of plants *see* Photography — Plants

**Photogravure**

*See also* Photomechanical processes

**Photolithography**

*See also* Photomechanical processes

*Refer from* Chemical effects of light (s); Chemistry; Chemistry, Physical; Light; Optical chemistry (s); Photographic chemistry

*Refer from* Astronomical instruments; Astronomical photography; Ballistics; Chronograph; Photography

*Refer from* Engraving; Half-tone process (s); Illustration of books; Photo-etching (s); Photography; Photomechanical processes

*Refer from* Chemistry; Chemistry, Photographic (s); Photochemistry; Photography; Photography — Printing processes

*Refer from* Lenses; Photography

*Refer from* Photogrammetry (s); Photography; Phototopography (s); Surveying

*Refer from* Photography; Pictures; Portraits

*Refer from* Art; Cameras; Daguerreotypes; Industrial arts; Light; Printing; Retouching (s); Technology

*Refer from* Animal photography (s); Animals — Photography (s); Animals — Pictures; Nature photography; Photography of animals (s)

*Refer from* Composite photography (s)

*Refer from* Flash-light photography (s)

*Refer from* Nature photography; Photography of plants (s); Plants — Photography (s)

*Refer from* Blue prints; Photographic chemistry; Platinotype (s)

*Refer from* Engraving; Heliogravure (s); Photo-engraving; Photography; Photomechanical processes

*Refer from* Lithography; Photography; Photomechanical processes





**Photomechanical processes**

*See also* Collotype; Heliotype; Photo-engraving; Photogravure; Photolithography

*Refer from* Collotype; Heliotype; Illustration of books; Photo-engraving; Photography; Photogravure; Photolithography; Process work (s)

**Photometry**

*See also* Color; Light

*Refer from* Electric lighting; Light; Lighting

**Photomicrography**

*See also* Microscope and microscopy

*Refer from* Microphotography (s); Microscope and microscopy; Photography

**Phototherapy**

*See also* Radiotherapy

*Refer from* Blue glass cure (s); Light; Light cure (s); Therapeutics

Phototopography *see* Photographic surveying

Phrase-books *see* names of languages

**Phrasing (music)**

*See also* Musical form

*Refer from* Music; Musical form; Piano — Instruction and study

**Phrenology**

*See also* Physiognomy

*Refer from* Brain; Character; Character reading (s); Head; Man; Mind and body; Physiognomy; Physiology; Psychology; Psychology, Physiological

Phthisis *see* Tuberculosis

Physical chemistry *see* Chemistry, Physical

Physical culture *see* Physical education

**Physical deterioration**

*See also* Degeneration; Heredity

*Refer from* Degeneration; Heredity; Physiology

**Physical education**

*See also* Athletics; College athletics; Delsarte system; Exercise; Games; Gymnasiums; Gymnastics; Gymnastics, Medical; Indian clubs; Jiu-jitsu; Play; Running; School athletics; Sports; Training; Walking

*Refer from* Athletics; Calisthenics (s); Callisthenics (s); Education; Exercise; Gymnasiums; Gymnastics; Gymnastics, Medical; Hygiene; Manly exercise (s); Muscles; Physical culture (s); Physical training (s); Sports; Training

**Physical geography**

*See also* Alluvium; Altitudes; Bays and gulfs; Beaches; Caves; Climate; Coast changes; Continents; Deltas; Deserts; Droughts; Dunes; Earth; Earthquakes; Erosion; Geochemistry; Geographical distribution of animals and plants; Geography; Geology; Geysers and hot springs; Glaciers; Hydrography; Ice; Icebergs; Islands; Lakes; Landslides; Magnetism, Terrestrial; Meteorology; Moraines; Mountains; Nature; Ocean; Peat; Plains; Ponds; Prairies; Rivers; Seashore; Springs; Steppes; Tides; Tropics; Valleys; Volcanoes; Water; Water, Underground; Waterfalls; Waterspouts; Waves

*Refer from* Alluvium; Beaches; Climate; Coast changes; Continents; Deltas; Dunes; Earth; Earthquakes; Erosion; Geography; Geography, Physical (s); Geology; Geonomy (s); Glaciers; Icebergs; Islands; Lakes; Meteorology; Moraines; Mountains; Natural history; Ocean; Physics; Physiography (s); Rivers; Science; Valleys; Volcanoes; Water

— U. S.

*See also* Geology — U. S.; U. S.— Altitudes

*Refer from* Geology — U. S.; U. S.— Geography (s); U. S.— Physical geography (s)

Physical geology *see* Geology

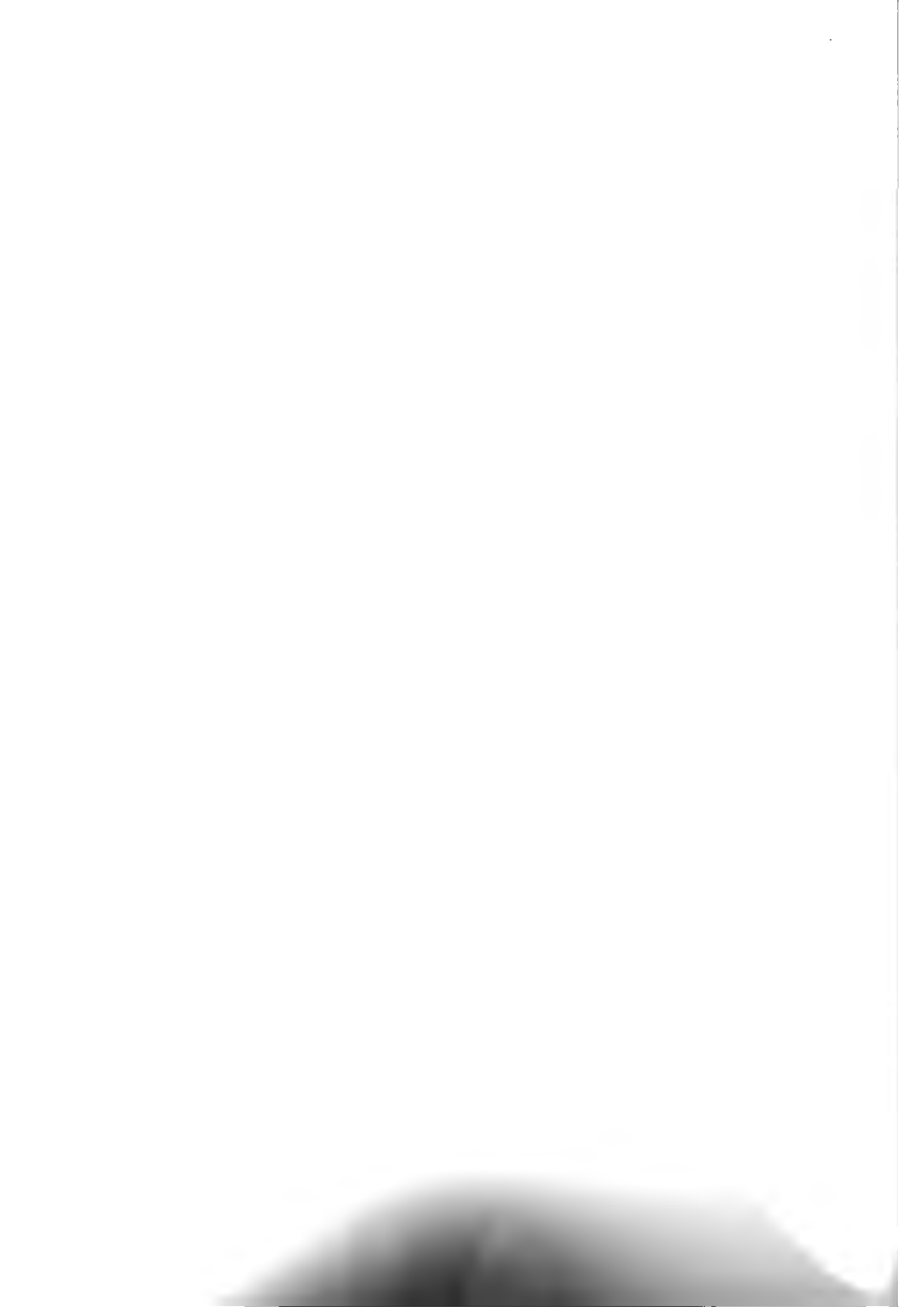
Physical instruments *see* Scientific apparatus and instruments

Physical training *see* Athletics; Physical education

**Physicians and surgeons**

*See also* Anecdotes, Medical; Medical ethics; Women as physicians

*Refer from* Biography; Doctors (s); Medical biography (s); Medical directories (s); Medical ethics; Medicine; Medicine — Directories (s); Surgeons (s); Surgery



## Physics

*See also* Agricultural physics; Air; Astronomy; Atoms; Barometer; Capillarity; Chemistry; Chemistry, Physical; Compressibility; Condensation; Diamagnetism; Dynamics; Elasticity; Electricity; Electrostatics; Ether (of space); Evaporation; Expansion (physics); Fluids; Force and energy; Friction; Gases; Gravitation; Gyroscope; Heat; Hydraulics; Hydrostatics; Kinematics; Light; Liquefaction of gases; Liquid air; Liquids; Magnetism; Matter; Mechanics; Meteorology; Molecules; Motion; Motors; Osmosis; Pendulum; Physical geography; Radiation; Radioactivity; Rotation; Soap bubbles; Solids; Sound; Statics; Steam; Thermodynamics; Thermometer; Units; Velocity; Vibration; Viscosity; Water; Waves

### —Experiments

*See also* Electricity — Experiments; Physics — Laboratory manuals

### —Laboratory manuals

*See also* Physics — Experiments

## Physiocrats

## Physiognomy

*See also* Expression; Face; Phrenology

Physiography *see* Physical geography

Physiological botany *see* Botany — Physiology

## Physiological chemistry

*See also* Absorption (physiology); Animal heat; Antitoxins; Blood; Cells; Chemistry, Legal; Digestion; Enzymes; Fermentation; Gelatin; Metabolism; Osmosis; Proteins

Physiological psychology *see* Psychology, Physiological

## Physiology

*See also* Absorption (physiology); Anatomy; Biology; Blood; Brain; Breathing; Color of man; Deformities; Degeneration; Digestion; Digestive system; Electrophysiology; Embryology; Growth; Heredity; Hygiene; Longevity; Man; Medicine; Metabolism; Mind and body; Monsters; Morphology; Muscles; Nervous system; Nutrition; Pathology; Phrenology; Physical deterioration; Physiognomy; Physiological chemistry; Protoplasm; Psychology, Physiological; Puberty; Respiratory organs; Senses and sensation; Sex; Sleep; Urinary organs; Vascular system; Voice; Yawning

### —Comparative

Physiology of plants *see* Botany — Physiology  
Phytogeography *see* Geographical distribution of animals and plants

## Pianists

*See also* Musicians

*Refer from* Atoms; Chemistry; Chemistry, Physical; Dynamics; Electricity; Fluids; Force and energy; Gravitation; Heat; Hydraulics; Hydrostatics; Light; Magnetism; Mathematics; Matter; Mechanics; Molecules; Natural history; Natural philosophy (s); Natural science (s); Philosophy; Philosophy, Natural (s); Science; Sound; Vibration

*Refer from* Experiments (s); Physics — Laboratory manuals

*Refer from* Physics — Experiments

*Refer from* Economics; Single tax

*Refer from* Character; Character reading (s); Expression; Face; Head; Man; Phrenology; Physiology; Psychology

*Refer from* Animal chemistry (s); Animal heat; Biological chemistry (s); Blood; Cells; Chemistry; Chemistry, Animal (s); Chemistry, Biological (s); Chemistry, Medical (s); Chemistry, Organic; Chemistry, Pathological (s); Chemistry, Physiological (s); Gelatin; Histology; Medical chemistry (s); Medicine; Metabolism; Pathological chemistry (s); Pathology; Physiology; Proteins

*Refer from* Anatomy; Biology; Blood; Body, Human (s); Breathing; Digestive system; Human body (s); Hygiene; Man; Medicine; Metabolism; Muscles; Nervous system; Respiratory organs; Vascular system

*Refer from* Comparative physiology (s); Zoology

*Refer from* Musicians; Piano



**Piano**

*See also* Harpsichord; Musical instruments; Pianists; Piano music; Piano players; Tuning

**—Instruction and study**

*See also* Music — Instruction and study; Musical accompaniment; Phrasing (music)

**Piano music**

*See also* Dance music; Instrumental music; Sonatas

**—Scores**

*See also* Duets, Instrumental; Sonatas

**Piano players**

Pianoforte *see* Piano

Pianola *see* Piano players

**Picnics**

Pictographs *see* Picture writing

**Picts**

*See also* Celts; Scotland — Antiquities; Scotland — History

**Picture books****Picture frames**

Picture posters *see* Posters

**Picture writing**

*See also* Hieroglyphics

**Pictures**

*See also* Animals — Pictures; Art — Exhibitions; Art — Galleries and museums; Art forgeries; Caricature and cartoons; Drawings; Engravings; Etchings; Libraries and pictures; Moving pictures; Paintings; Panoramas; Photographs; Picture frames; Portraits; Views

**Picturesque**

*See also* Esthetics; Landscape

Piece-work *see* Wages

Pieces to speak *see* Recitations and readings

Piers *see* Bridges — Foundations and piers; Wharves

Pies *see* Pastry

**Pietists**

*See also* Germany — Religious history

Pig *see* Swine

Pig iron *see* Cast iron

**Pigeons**

*See also* Birds

Pigmentation *see* Color of animals; Color of man; Skin

Pigments *see* Color; Dyes and dyeing; Paint

Pigmies *see* Dwarfs

Pigs *see* Swine

**Piles and pile driving**

*See also* Breakwaters; Cofferdams; Foundations; Wharves

**Pilgrim fathers**

*See also* Brownists; Massachusetts — History; Mayflower (ship); Plymouth; Puritans; Thanksgiving day; U. S.— History — Colonial period

**Pilgrimages**

*See also* Penance; Shrines

*Refer from* Harpsichord; Musical instruments; Pianoforte (s); Spinnet (s); Stringed instruments; Virginal (s)

*Refer from* Music — Instruction and study

*Refer from* Dance music; Instrumental music; Piano

*Refer from* Music — Scores

*Refer from* Piano; Pianola (s)

*Refer from* Amusements; Outdoor life

*Refer from* Celts; Scotland — Antiquities; Scotland — History; Stone age

*Refer from* Children's literature

*Refer from* Frames (for pictures) (s); House decoration; Pictures

*Refer from* Archaeology; Hieroglyphics; Inscriptions; Pictographs (s); Writing

*Refer from* Art; Engravings; Etchings; House decoration; Paintings; Portraits; Views

*Refer from* Esthetics; Landscape; Scenery (s)

*Refer from* Germany — Religious history

*Refer from* Birds; Carrier pigeons (s); Domestic animals; Doves (s); Homing pigeons (s); Poultry; Squabs (s)

*Refer from* Breakwaters; Civil engineering; Cofferdams; Foundations; Wharves

*Refer from* Biography; Brownists; Christian biography; Massachusetts — History; Mayflower (ship); Plymouth; Puritans; U. S.— Biography; U. S.— History — Colonial period

*Refer from* Catholic church; Penance; Shrines; Travel; Voyages and travels



Pillars *see* Columns

Pillory

Pilot guides

Pilots and pilotage

*See also* Pilot guides

Ping-pong

Pingree plan *see* Vacant lot cultivation

Pins and needles

Pioneer life *see* Frontier and pioneer life

Pipe

*See also* Boiler scale; Pipe fitting; Steam pipes; Tubes

Pipe fitting

*See also* Gas fitting; Plumbing; Steam pipes

Pipe organ *see* Organ

Pipes *see* Pipe; Pipes, Tobacco; Steam pipes

Pipes, Tobacco

*See also* Smoking; Tobacco

Piracy *see* Pirates

Pirates

*See also* Buccaneers; Privateering; Treasure-trove

Pisces *see* Fish

Pisciculture *see* Fish culture

Pistols

*See also* Firearms

Pitch, Mineral, *see* Asphalt

Place names *see* Names, Geographical

Placer mining *see* Gold dredging; Hydraulic mining

Plagiarism

*See also* Literary forgeries and mystifications

Plague

*See also* Black death; Epidemics; London — Epidemics

Plaids *see* Tartans

Plain chant *see* Chants

Plain song *see* Chants

Plains

*See also* Prairies; Steppes

Plainsong *see* Chants

Plane geometry *see* Geometry

Planers *see* Planing machines

Planetesimal hypothesis

Planets

*See also* Asteroids; Astrology; Astronomy; Earth; Moon; Nebular hypothesis; Occultations; Orbits; Perturbation; Planetesimal hypothesis; Plurality of worlds; Satellites; Solar system; Transits; *also* names of planets

Planimeter

Planing machines

*See also* Machine tools; Woodworking machinery

*Refer from* Punishment

*Refer from* Coast pilots (s); Navigation; Pilots and pilotage; Sailing directions (s)

*Refer from* Harbors; Inland navigation; Navigation; Sailors

*Refer from* Games; Table tennis (s); Tennis

*Refer from* Manufactures; Needles (s)

*Refer from* Pipes (s); Tubes

*Refer from* Gas fitting; Pipe; Plumbing; Steam fitting (s); Steam pipes

*Refer from* Pipes (s); Smoking; Tobacco; Tobacco pipes (s)

*Refer from* Barbary corsairs (s); Buccaneers; Corsairs (s); Crime and criminals; Filibusters; Freebooters (s); International law; Maritime law; Naval battles; Naval history; Piracy (s)

*Refer from* Arms and armor; Firearms; Guns; Revolvers (s)

*Refer from* Authorship; Literary forgeries and mystifications; Literature

*Refer from* Black death; Bubonic plague (s); Contagion and contagious diseases; Epidemics; London — Epidemics; London — History; Medicine — Practice

*Refer from* Physical geography

*Refer from* Astronomy; Planets; Solar system; Universe

*Refer from* Astronomy; Mechanics, Celestial; Perturbation; Satellites; Solar system; Stars

*Refer from* Mathematical instruments; Surveying instruments

*Refer from* Machine shop practice; Machine tools; Machinery; Planers (s); Woodworking machinery





**Planispheres**

*Refer from Astronomy; Astronomy — Atlases; Stars*

**Plankton**

*See also* Fresh-water life; Marine biology; Marine zoology

Plans (architecture) *see* Architectural drawing; Architecture, Domestic

Plant anatomy *see* Botany, Structural

**Plant breeding**

*See also* Hybridization; Mendel's law; Plant propagation; Seeds — Selection and testing

*Refer from* Biology; Fresh-water life; Marine biology; Marine zoology

*Refer from* Agriculture; Breeding; Fertilization of plants; Floriculture; Gardening; Heredity; Hybridization; Plant propagation; Plants — Breeding (s); Species; Thremmatology (s); Variation (biology)

Plant chemistry *see* Plants — Chemistry and nutrition

Plant diseases *see* Plants — Diseases

Plant embryology *see* Botany — Embryology

**Plant forms**

*See also* Design, Decorative; Flower painting and drawing

*Refer from* Decoration and ornament; Design, Decorative; Floral design (s); Flower forms (s); Flower painting and drawing

Plant geography *see* Geographical distribution of animals and plants

**Plant introduction**

*See also* Acclimatization (plants)

**Plant lice**

*See also* Hemiptera

*Refer from* Acclimatization (plants); Geographical distribution of animals and plants

*Refer from* Aphididae (s); Hemiptera; Insects, Injurious and beneficial

**Plant lore**

*See also* Flower language; Folklore; Nature myths

Plant morphology *see* Botany, Structural

Plant names *see* Botany — Nomenclature

Plant pathology *see* Plants — Diseases

Plant physiology *see* Botany — Physiology

**Plant propagation**

*See also* Grafting; Plant breeding; Seeds

*Refer from* Folklore; Folklore of plants (s); Nature myths; Plants — Folklore (s)

*Refer from* Floriculture; Gardening; Plant breeding; Plants — Propagation (s); Propagation of plants (s)

Plantation songs *see* Negro songs

Planting *see* Agriculture; Forest planting; Gardening; Landscape gardening; Tree planting

**Plants** (for descriptive and non-systematic material)

*See also* Agriculture; Alpine plants; Annuals (plants); Aquatic plants; Botany; Climbing plants; Color of plants; Fertilization of plants; Floriculture; Flowers; Gardening; Insectivorous plants; Leaves; Natural history; Nature study; Poisonous plants; Roots; Seedlings; Seeds; Shrubs; Tropical plants; Weeds; *also* names of plants, and headings beginning Plant

*Refer from* Agriculture; Botany; Flowers; Natural history; Nature; Nature study; Vegetable kingdom (s)

—Acclimatization, *see* Acclimatization (plants)

—Anatomy, *see* Botany, Structural

—Aquatic, *see* Aquatic plants

—Breeding, *see* Plant breeding

—**Chemistry and nutrition**

*See also* Botany — Physiology; Cellulose; Metabolism

*Refer from* Agricultural chemistry; Botanical chemistry (s); Botany — Physiology; Chemistry; Chemistry, Botanical (s); Chemistry, Organic; Metabolism; Nutrition of plants (s); Plant chemistry (s); Plants — Nutrition (s)



**Plants** — Continued

—Classification, *see* Botany — Classification

—Climbing, *see* Climbing plants

—Collection and preservation

—Color, *see* Color of plants

—Cultivated [for botanical information and lists, not gardening]

*See also* Floriculture; Gardening

—**Diseases**

*See also* Bacteriology, Agricultural; Cotton — Diseases and pests; Dry rot; Fruit — Diseases and pests; Fungi; Galls (botany); Mildew; Parasites; Spraying; Tobacco — Diseases and pests; Trees — Diseases and pests

—**Effect of chemicals on**

—**Effect of temperature on**

Fertilization, *see* Fertilization of plants

Folklore, *see* Plant lore

Fossil, *see* Fossil plants

—Geographic distribution, *see* Geographical distribution of animals and plants

—Habits, *see* Botany — Physiology; Plants — Movements

Insectivorous, *see* Insectivorous plants

Medicinal, *see* Medical botany

—**Migration**

*See also* Geographical distribution of animals and plants

—Morphology, *see* Botany, Structural

—**Movements**

*See also* Botany — Physiology; Heliotropism; Irritability

—Names, *see* Botany — Nomenclature

—Nutrition, *see* Plants — Chemistry and nutrition

—Pathology, *see* Plants — Diseases

—Photography, *see* Photography — Plants

—Physiology, *see* Botany — Physiology

—Poisonous, *see* Poisonous plants

—Propagation, *see* Plant propagation

—Useful, *see* Botany, Economic

**Plaster and plastering**

*See also* Building; Ceilings; Gesso; Mural painting and decoration; Stucco

**Plaster casts**

*See also* Modeling; Sculpture; Statues

Plastering *see* Plaster and plastering

**Plate**

*See also* Goldsmithing; Hall marks; Pewter; Silversmithing; Silverware

Plate girders *see* Girders

Plate glass *see* Glass

Plate marks *see* Hall marks

**Plate-metal work**

*See also* Metal work

*Refer from* Botanizing (s); Collectors and collecting

*Refer from* Botany, Economic; Cultivated plants (s); Domestication; House plants (s)

*Refer from* Bacteriology, Agricultural; Botany — Pathology (s); Diseases of plants (s); Fruit — Diseases and pests; Fungi; Mildew; Pathological botany (s); Pathology, Vegetable (s); Plant diseases (s); Plant pathology (s); Plants — Pathology (s); Trees — Diseases and pests; Vegetable pathology (s)

*Refer from* Agricultural chemistry; Botany — Physiology

*Refer from* Freezing (s); Frost; Temperature

*Refer from* Geographical distribution of animals and plants; Migration of plants (s)

*Refer from* Botany — Physiology; Heliotropism; Irritability; Movements of plants (s); Plants — Habits (s)

*Refer from* Building; Building materials; Ceilings; Masonry; Mural painting and decoration; Plastering (s); Stucco

*Refer from* Casting (s); Casts, Plaster (s); Modeling; Sculpture; Statues

*Refer from* Gold plate (s); Goldsmithing; Hall marks; Jewelry; Metal work; Silversmithing; Silverware

*Refer from* Metal work



**Platforms, Political**

*See also* Political parties

**Plating**

*See also* Bronzing; Electroplating; Galvanizing; Gilding; Metal coloring  
Platinotype *see* Photography — Printing processes

**Platinum**

*See also* Metals

**Platonists**

*See also* Philosophy, Greek; Neoplatonism

Plattdeutsch *see* Low German language; Low German literature

**Play**

*See also* Amusements; Athletics; Games; Kindergarten — Games and songs; Play festivals; Playgrounds; Playhouses (for children); Sports

**Play festivals**

Play writing *see* Drama

Players *see* Actors

**Playgrounds**

*See also* Parks; Vacation schools

**Playhouses (for children)**

Playing-cards *see* Cards

Playright *see* Copyright

Plays *see* Amateur theatricals; Drama

Playwrights *see* Dramatists

**Pleading and practice**

*See also* Actions at law; Appeal; Chancery; Costs; Courts; Equity; Forms (in law); Law; Trials

**Pleasure**

*See also* Contentment; Emotions; Happiness; Hedonism; Joy; Pain

Pleistocene period *see* Glacial period

Pliocene period *see* Geology, Stratigraphic—

Pliocene; Paleontology — Pliocene

**Plots (drama, novel, etc.)**

*See also* Shakespeare, William — Plots

Ploughs *see* Plows

Plowing *see* Tillage

**Plows**

*See also* Farm implements and machinery

Plumbago *see* Graphite

**Plumbing**

*See also* Gas fitting; Lead burning; Pipe fitting; Sanitary engineering; Sanitation, Household; Solder and soldering

**Pluralism**

Plurality of worlds

*Refer from* Government; Party platforms (s); Political platforms (s); Political parties; Politics; U. S. — Politics

*Refer from* Galvanizing; Metal work; Silverplating (s); Silverplating (s)

*Refer from* Metals; Precious metals

*Refer from* Dualism; Philosophy; Philosophy, Greek

*Refer from* Amusements; Animals; Child study; Children; Exercise; Games; Kindergarten; Physical education; Psychology; Psychology, Comparative; Recreation (s)

*Refer from* Festivals; Pageants; Play

*Refer from* Amusements; Children; Children — Charities, protection, etc.; Municipal improvement; Neighborhood improvement; Parks; Play; Public playgrounds (s); School children; School hygiene; School playgrounds (s); Schools; Social centers

*Refer from* Play

*Refer from* Actions at law; Costs; Courts; Equity; Forms (in law); Law; Practice (law) (s); Procedure (s); Trials

*Refer from* Emotions; Ethics; Happiness; Hedonism; Joy; Pain; Psychology

*Refer from* Authorship; Drama; Dramatic plots (s); Fiction; Literature; Poetry; Scenarios (s)

*Refer from* Farm implements and machinery; Ploughs (s); Tillage

*Refer from* Architecture; Architecture, Domestic; Building; Gas fitting; House drainage (s); Industrial arts; Lead; Lead burning; Pipe fitting; Sanitary engineering; Sanitation, Household; Sewerage; Traps (plumbing) (s); Water supply

*Refer from* Metaphysics; Philosophy

*Refer from* Astronomy; Life in other worlds (s); Planets; Theology; Universe; Worlds, Plurality of (s)



Plutocracy *see* Wealth

Plymouth brethren

Pneumatic pumps *see* Air pumps

Pneumatic tires *see* Tires

Pneumatic transmission *see* Compressed air;

Pneumatic tubes

**Pneumatic tubes**

*See also* Compressed air

Pneumatics *see* Air; Gases

**Pneumonia**

*See also* Lungs; Respiratory organs — Diseases

**Poaching**

*See also* Game laws

**Poetry**

*See also* Alliteration; Ballads; Bards; Children's poetry; Christmas poetry; College verse; Drama; Elegiac poetry; Epic poetry; Humor; Hymns; Literature; Love poetry; Lyric poetry; Macaronic verse; Meter; Minnesingers; Nonsense verse; Odes; Parodies; Pastoral poetry; Plots (drama, novel, etc.); Poetry of places; Poets; Prosody; Quotations; Religious poetry; Rhyme; Rhythm; Songs; Sonnets; Troubadours; Trouvères; Versification; War poetry; *also* special subjects, e.g., Animals in poetry, Children in poetry, Flowers in poetry, Nature in poetry, and subhead Poetry under various subjects; *also* American poetry, English poetry, etc.

—**Collections**

*See also* Recitations and readings

Poetry of animals *see* Animals in poetry

Poetry of childhood *see* Children in poetry;

Children's poetry; Nursery rhymes

Poetry of flowers *see* Flowers in poetry

Poetry of love *see* Love poetry

Poetry of nature *see* Nature in poetry

**Poetry of places**

Poetry of war *see* War poetry

**Poets**

*See also* Authors; Bards; Dramatists; Meistersingers; Minnesingers; Minstrels; Poetry; Poets laureate; Troubadours; Trouvères

**Poets laureate**

Pointed architecture *see* Architecture, Gothic

Poison *see* Poisons; Ptomaines; Toxins

**Poisonous plants**

*See also* Medical botany

**Poisons**

*See also* Alkaloids; Antitoxins; Arsenic; Chemistry, Legal; Drugs; First aid in illness and injury; Lead poisoning; Medical jurisprudence; Narcotics; Poisonous plants; Ptomaines; Toxins; Venom

**Poker**

*See also* Cards

Poker work *see* Pyrography

Polanders *see* Poles (Polanders)

*Refer from* Darbyites (s); Sects

*Refer from* Compressed air; Conveying machinery; Pneumatic transmission (s); Transportation

*Refer from* Lungs; Medicine — Practice; Respiratory organs — Diseases

*Refer from* Game laws; Hunting; Trapping

*Refer from* Ballads; Esthetics; Literature; Meter; Poets; Prosody; Rhetoric; Romances; Versification

*Refer from* Anthologies (s); Recitations and readings

*Refer from* Poetry

*Refer from* Authors; Dramatists; Poetry

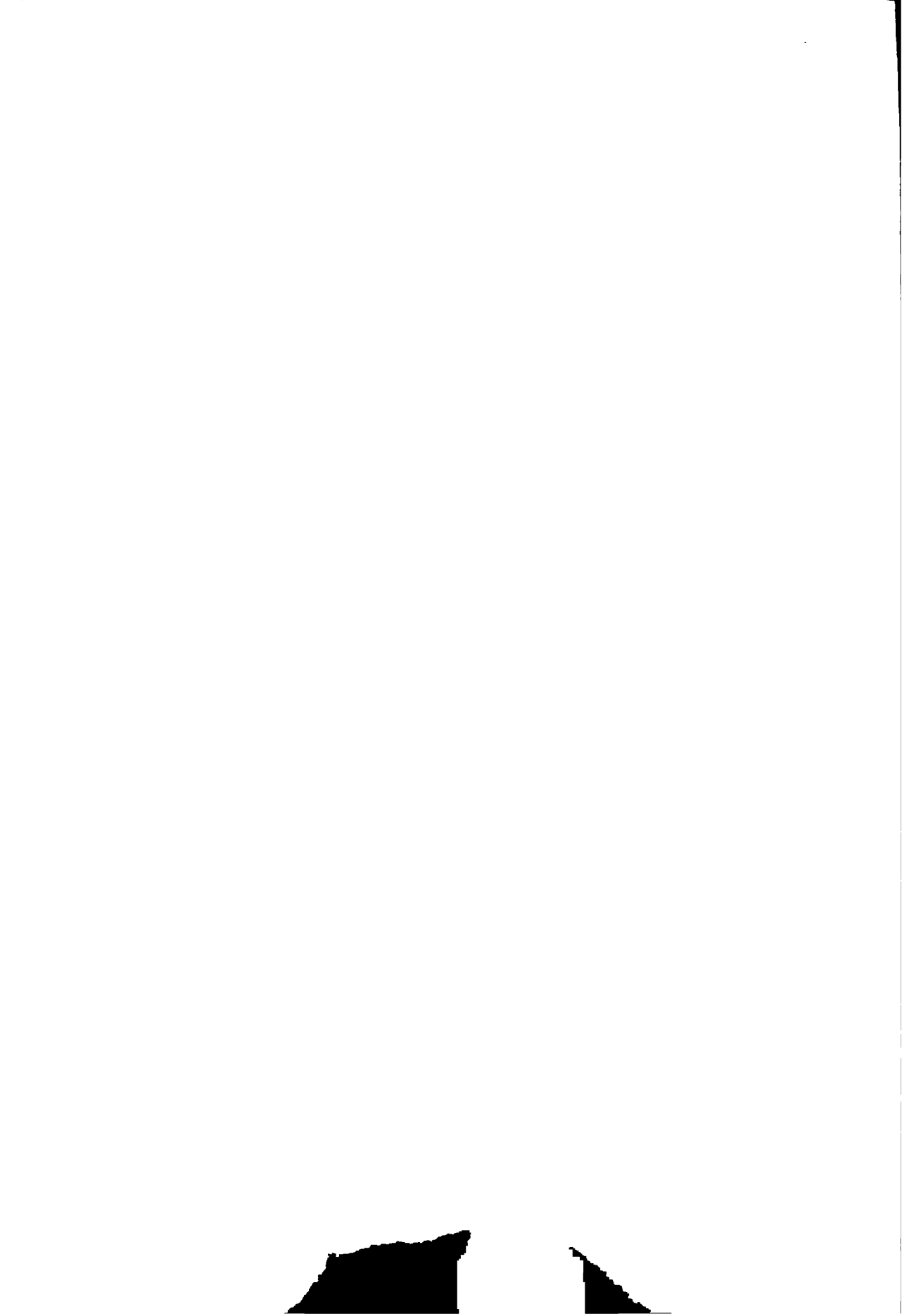
*Refer from* Laureates (s); Poets; Poets, English

*Refer from* Botany, Economic; Plants; Plants, Poisonous (s); Poisons

*Refer from* Accidents; Antidotes (s); Chemistry; Legal; Drugs; First aid in illness and injury; Medical jurisprudence; Medicine; Murder; Poison (s); Therapeutics; Toxicology (s); Toxins; Venom

*Refer from* Cards; Draw-poker (s); Gambling





Polar light *see* Auroras  
Polar regions *see* Antarctic regions; Arctic regions; North pole; South pole

**Polariscope**

*See also* Polarization (light)

**Polarization (light)**

*See also* Magneto-optics; Polariscope; Stereochemistry

**Poles**

*See also* Wood — Preservation

**Poles (Polanders)**

*See also* Poland; Slavs

**Poles in the U. S.**

*See also* Slavs in the U. S.

**Police**

*See also* Constables; Crime and criminals; Detectives; Prisons; *also* names of countries and cities, subhead Police

Police courts *see* Courts, Municipal

**Police power**

*See also* Civil rights; Constitutional law; Eminent domain; Government regulation of industry; Restraint of trade

**Polish language**

*See also* Slavic languages

**Polish literature**

*See also* Slavic literature

Polishing *see* Grinding and polishing

Politeness *see* Courtesy; Etiquette

Political bosses *see* Boss rule

**Political conventions**

*See also* Nominations; Political parties

**Political corruption**

*See also* Boss rule; Bribery; Campaign funds; Civil service reform; Graft; Lobbying; Political ethics

Political economy *see* Economics

**Political ethics**

*See also* Bribery; Citizenship; Compromise; Graft; Patriotism; Political corruption

**Political offenses**

*See also* Extradition; Treason

**Political parties**

*See also* Campaign funds; Campaign literature; Independents (in politics); Platforms, Political; Political conventions; Politics; *also* names of parties, e.g. Democratic party; Free soil party; Know-nothing party; Republican party; Tories, English; Whig party; and names of countries, subhead Politics

Political platforms *see* Platforms, Political

Political science *see* Government

Political songs *see* Campaign songs

*Refer from* Optical instruments; Polarization (light)

*Refer from* Light; Magneto-optics; Polariscope

*Refer from* Telegraph; Telegraph poles (s); Telephone; Telephone poles (s); Wood

*Refer from* Poland; Polanders (s); Slavs

*Refer from* Slavs in the U. S.; U. S.—Foreign population

*Refer from* Constables; Crime and criminals; Detectives; Government; Law; Municipal government; Prisons; Town officers

*Refer from* Constitutional law; Eminent domain; Government; Government regulation of industry; Law; Restraint of trade

*Refer from* Slavic languages

*Refer from* Slavic literature

*Refer from* Conventions, Political (s); Elections—U. S.; Government; Nominations; Political parties; U. S.—Conventions and public meetings

*Refer from* Boss rule; Bribery; Civil service reform; Corrupt practices at elections (s); Corruption in politics (s); Elections; Government; Graft; Lobbying; Municipal corruption (s); Political ethics; Politics

*Refer from* Citizenship; Ethics; Ethics, Political (s); Government; Political corruption; Politics; Social ethics; State ethics

*Refer from* Crime and criminals; Extradition; Government; Impeachment; International law

*Refer from* Government; Parties, Political (s); Party government (s); Platforms, Political; Political conventions; Politics; U. S.—Politics



**Politics**

*See also* Ballot; Boss rule; Campaign funds; Campaign literature; Civil service; Elections; Government; Independents (in politics); International relations; Liberalism; Lobbying; Nominations; Platforms, Political; Political corruption; Political ethics; Political parties; Primaries; Sectionalism; Suffrage; *also* names of countries and states, subhead Politics, and names of cities, subhead Government and politics

**Poll tax**

Pollination *see* Fertilization of plants

Pollution of streams *see* Water pollution

**Polo****Polyandry**

*See also* Polygamy

**Polygamy**

*See also* Harem; Marriage; Mohammedanism; Mormons and Mormonism; Polyandry

**Polynesian languages**

*See also* Oceanic languages

Polyphase currents *see* Electric currents, Alternating

Polyps *see* Coelenterata

Polytechnic schools *see* Technical education

**Polytheism**

*See also* Religions

**Polyzoa**

*See also* Invertebrates

Pomology *see* Fruit; Fruit culture

Pond life *see* Fresh-water life

**Ponds**

*See also* Fresh-water life; Lakes

**Pontiac's conspiracy, 1763-1765**

*See also* Indians — Wars; U. S. — History — Colonial period

**Poor**

*See also* Almshouses; Asylums; Begging; Charities; Children — Charities, protection, etc.; Cost of living; Farm colonies; Friendly visiting; Homes for the aged; Housing problem; Labor and laboring classes; Old age pensions; Pensions; Philanthropy; Poor laws; Slums; Social settlements; Standard of living; Sweating system; Tenement houses; Thrift; Tramps; Unemployed; *also* names of cities, subhead Poor

**Poor laws**

Poorhouses *see* Almshouses

**Popes**

*See also* Apostolic succession; Bulls, Papal; Catholic church; Vatican; Vatican council

**—Authority and supremacy**

*See also* Catholic church — Authority

**—Biography**

*See also* Popes — History

**—Election**

*Refer from* Government; Political parties

*Refer from* Taxation

*Refer from* Games; Horsemanship

*Refer from* Marriage; Polygamy

*Refer from* Marriage; Polyandry

*Refer from* Oceanic languages

*Refer from* God; Religions

*Refer from* Bryozoa (s); Invertebrates; Marine zoology

*Refer from* Lakes; Physical geography; Water

*Refer from* French and Indian war; Indians — Wars; U. S. — History — Colonial period

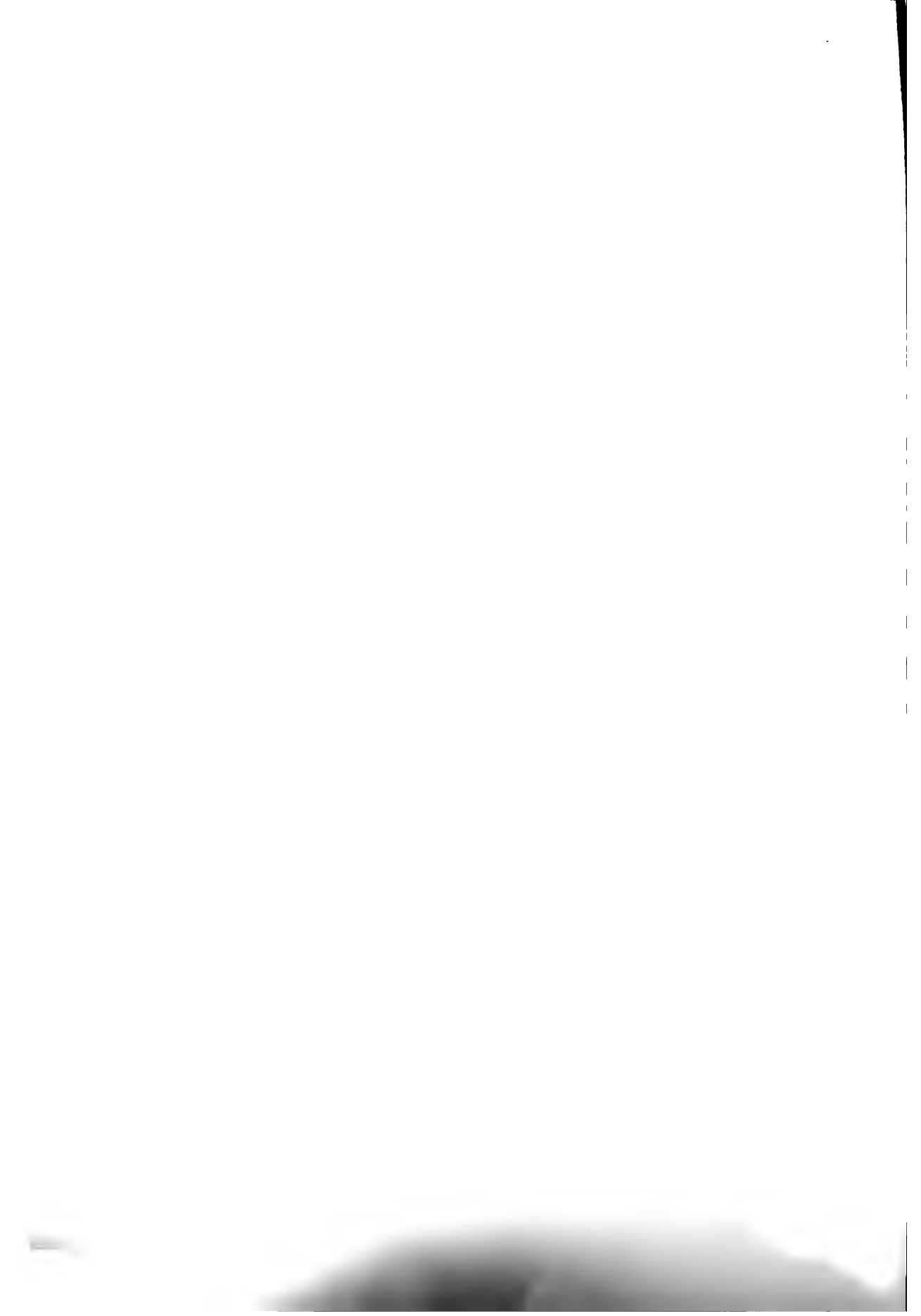
*Refer from* Aged poor (s); Almsgiving (s); Almshouses; Asylums; Begging; Benevolence (s); Charities; Dangerous classes (s); Dependent classes (s); Economics; Labor and laboring classes; Pauperism (s); People; Poverty (s); Slums; Social problems; Social settlements; Sociology; Tenement houses; Unemployed; Vagrancy (s)

*Refer from* Charities; Law; Poor; Vagrancy (s)

*Refer from* Apostolic succession; Bulls, Papal; Catholic church; Catholic church — Popes (s); Church polity; Holy See (s); Kings and rulers; Papacy (s); Rulers (s); Ultramontaniam; Vatican

*Refer from* Authority (in religion); Catholic church — Authority; Supremacy of the pope (s)

*Refer from* Biography; Christian biography; Popes — History



**Popes — Continued**

**—History**

*See also* Catholic church — History; Church history; Popes — Biography; Schism, The great western, 1378-1417

**—Infallibility**

*See also* Vatican council

**—Temporal power**

*See also* Church history — Middle ages

**Popish plot, 1678**

*See also* England — History — Stuarts

Popular election of senators *see* Senators — U. S. — Election

Popular errors *see* Errors, Popular

Popular government *see* Democracy

**Popularity**

**Population**

*See also* Birth rate; Census; Malthusianism; Statistics; Vital statistics; *also* names of countries, states and cities, subhead Population

Porcelain *see* Pottery

Porifera *see* Sponges

**Porisms**

**Portable buildings**

**Portages**

*See also* Indian trails

Portents *see* Omens

Portland cement *see* Cement

Portrait painters *see* Painters

**Portrait painting**

*See also* Miniature painting

**Portraits**

*See also* Crayon drawing; Photographs; Pictures

Ports *see* Harbors

**Portuguese language**

*See also* Romance languages

**Portuguese literature**

*See also* Romance literature

**Positivism**

*See also* Philosophy, French

Posology *see* Prescriptions

**Possession (in law)**

*See also* Limitations (law)

Post-mortem examinations *see* Autopsy

Post-office *see* Postal service

**Postage stamps**

✓ **Postal savings banks** —

**Postal service**

*See also* Franking privilege; Library post; Parcels post; Postage stamps; Postal savings banks; Postal telegraph; Railway mail service; Rural free delivery

**—U. S.**

*See also* Rural free delivery

*Refer from* Catholic church — History; Church history; Popes — Biography; Schism, The great western, 1378-1317

*Refer from* Catholic church — Infallibility (s); Infallibility; Vatican council

*Refer from* Catholic church — History; Church and state; Church history — Middle ages; Temporal power of the pope (s)

*Refer from* Conspiracies; England — History — Stuarts

*Refer from* Conduct of life; Ethics; Success

*Refer from* Economics; Malthusianism; Sociology; Statistics; Vital statistics

*Refer from* Geometry

*Refer from* Architecture; Buildings, Portable (s)

*Refer from* Indian trails; Roads

*Refer from* Painting

*Refer from* Art; Biography; Iconography (s); Paintings; Pictures

*Refer from* Romance languages

*Refer from* Romance literature

*Refer from* Agnosticism; Deism; Naturalism; Philosophy; Philosophy, French; Religion; Religion of humanity (s)

*Refer from* Adverse possession (s); Law; Limitations (law); Property; Real estate

*Refer from* Collectors and collecting; Philately (s); Postal service; Stamps (s)

*Refer from* Banks and banking; Government banking (s); Postal service; Savings banks

*Refer from* Carriers; Communication; Mail (s); Post-office (s); Railway mail service; Transportation

*Refer from* Rural free delivery; U. S. — Postal service (s)



**Postal telegraph**

*See also* Government ownership

**Posters**

*See also* Billposting

Post-Nicene fathers *see* Fathers of the church

**Potatoes**

*See also* Vegetables

**Potential, Theory of**

*Refer from* Government ownership; Postal service; Telegraph; Telegraph, Postal (s)

*Refer from* Advertising; Art; Billposting; Drawing; Picture posters (s)

*Refer from* Vegetables

*Refer from* Electric potential (s); Electrostatics; Force and energy; Gravitation; Theory of potential (s)

Potomac, Army of the, *see* Army of the Potomac

**Pottery**

*See also* Annealing; Arts and crafts; Bric-a-brac; China painting; Clay industries; Concrete pottery; Glazing; Indians — Pottery; Majolica; Terra cotta; Tiles; Urns; Vases

*Refer from* Archaeology; Arts and crafts; Bric-a-brac; Ceramics (s); China (porcelain) (s); China painting; Chinaware (s); Clay industries; Crockery (s); Decoration and ornament; Earthenware (s); Faience (s); Fayence (s); Industrial arts; Industries, Primitive; Keramics (s); Majolica; Manufactures; Porcelain (s); Stoneware (s); Terra cotta; Tiles; Vases

Pouched animals *see* Marsupialia

**Poultry**

*See also* Ducks; Eggs; Geese; Incubators; Pigeons; Poultry houses; Turkeys

*Refer from* Birds; Chickens (s); Domestic animals; Ducks; Eggs; Food; Fowl (s); Fowls (s); Geese; Hen (s); Hens (s); Incubators; Live stock; Poultry houses; Turkeys

**Poultry houses**

*See also* Farm buildings; Poultry

*Refer from* Farm buildings; Hen houses (s); Poultry

Poverty *see* Poor

Powder *see* Gunpowder

**Power**

*See also* Compressed air; Dynamometer; Electric power; Engines; Force and energy; Machinery; Mechanics; Motors; Power plants; Power transmission; Steam; Water power

Power boats *see* Motor boats

Power houses *see* Power plants

Power of attorney *see* Agency

**Power plants**

*See also* Hydro-electric plants; Power transmission

*Refer from* Mechanics

*Refer from* Central power stations (s); Mechanical engineering; Power; Power houses (s); Power stations (s); Power transmission

—**Electric**

*See also* Electric power; Electric power transmission; Hydro-electric plants

*Refer from* Electric engineering; Electric plants (s); Electric power; Electric power plants (s); Electric power transmission; Electric stations (s); Electricity — Distribution

—**Steam**

*See also* Boilers; Steam engines

*Refer from* Steam engines; Steam plants (s); Steam power plants (s)

Power stations *see* Power plants

**Power transmission**

*See also* Belting; Cables; Compressed air; Electric power transmission; Gearing; Machinery; Mechanical engineering; Motors; Power plants; Pulleys; Rope driving; Shafting

*Refer from* Belting; Electric power transmission; Gearing; Machinery; Mechanical engineering; Mechanics, Applied; Power; Power plants; Pulleys; Rope driving; Shafting; Transmission of power (s)

**Powers (law)**

*See also* Administrators and executors; Agency; Trustees

*Refer from* Agency; Law



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Practical ethics *see* Conduct of life  
Practical theology *see* Christian life and character  
Practice (law) *see* Pleading and practice  
**Pragmatism**

*Refer from* Empiricism; Ethics; Experience; Philosophy; Philosophy, Modern

**Prairies**  
*See also* Western states

*Refer from* Physical geography; Plains; Western states

**Prayer**  
*See also* Devotional exercises; Family worship; Lord's prayer; Prayer meetings; Prayers; Responsive worship; Ritualism; Worship

*Refer from* Christian life and character; Devotion (s); Family worship; Religion; Theology; Worship

**Prayer books**  
*See also* Breviaries; Liturgies; Prayers

*Refer from* Collects (s); Liturgies; Prayers  
*Refer from* Church services; Prayer; Revivals

**Prayer meetings**

**Prayers**  
*See also* Devotional exercises; Family worship; Litanies; Liturgies; Lord's prayer; Prayer books; Rosary

*Refer from* Collects (s); Devotional exercises; Family worship; Liturgies; Prayer; Prayer books; Rites and ceremonies; Worship

**Preachers**  
*See also* Clergy; Preaching

*Refer from* Christian biography; Clergy; Ministers of the gospel (s); Pastors (s); Preaching

**Preaching**  
*See also* Anecdotes, Religious; Elocution; Oratory; Preachers; Sermons

*Refer from* Church polity; Clergy; Elocution; Homiletics (s); Oratory; Pastoral work; Preachers; Pulpit oratory (s); Rhetoric; Sermons; Speaking (s)

Preaching friars *see* Dominicans  
Preadamites *see* Man — Origin and antiquity  
Pre-Cambrian period *see* Geology, Stratigraphic — Archaean; Paleontology — Archaean

**Precedence**  
*See also* Class distinction

*Refer from* Class distinction; Courts and courtiers; Diplomacy; Etiquet; Genealogy; Heraldry

Precession of the equinoxes *see* Equinoxes  
**Précieuses**  
*See also* Salons

*Refer from* French language; French literature; Salons; Women in France

**Precious metals**  
*See also* Gold; Money; Platinum; Radium; Silver

*Refer from* Bimetallism; Bullion (s); Economics; Gold; Metals; Mines and mineral resources; Silver

Precious minerals *see* Mineralogy; Mines and mineral resources; Rare earths

**Precious stones**  
*See also* Birth stones; Diamonds; Gems; Jewelry; Pearls

*Refer from* Diamonds; Gems; Jewelry; Mineralogy; Stone; Stones (s)

**Précis writing**

*Refer from* Abstract writing (s); Rhetoric

**Precocity**

*Refer from* Children; Genius; Psychology

**Predestination**  
*See also* Arminianism; Calvinism; Freedom of the will; Salvation

*Refer from* Baptism—Infants; Calvinism; Election (in theology) (s); Fate and fatalism; Foreordination (s); Freedom of the will; Infant salvation; Necessity; Salvation; Sin; Theology

Predictions *see* Forecasts; Prophecies

**Preexistence**  
*See also* Soul; Transmigration

*Refer from* Reincarnation (s); Soul; Transmigration

Prehistoric archaeology *see* Archaeology  
Prehistoric man *see* Man — Origin and antiquity



Premature burial *see* Burial, Premature

Premonitions *see* Presentiments

**Prenatal influences**

*See also* Eugenics

Preparatory schools *see* Academies (schools); Education, Secondary

Prepared cereals *see* Cereals, Prepared

**Prerafaelism**

Presages *see* Omens

**Presbyterian church**

*See also* Church of Scotland; Presbyterianism

**Presbyterianism**

*See also* Calvinism; Church of Scotland; Covenanters; Presbyterian church

**Prescriptions**

*See also* Pharmacy

**Presentiments**

Presents *see* Gifts

Preservation of food *see* Cold storage; Food preservation and preservatives

**Preservation of landmarks, scenery, etc.**

*See also* Historic houses; Niagara Falls — Preservation; Trees, Historic

Preservation of wood *see* Wood — Preservation

Preservatives (food) *see* Food preservation and preservatives

Preserving *see* Canning and preserving

Presidential campaigns *see* Elections — U. S.;

Presidents — U. S. — Election

Presidential elections *see* Elections — U. S.;

Presidents — U. S. — Election

Presidential government *see* Democracy; Republics

**Presidents**

*See also* Executive power; Veto

— U. S.

*See also* Inaugurations

— U. S. — Election

*See also* Elections — U. S.

Press *see* Journalism; Liberty of the press; Newspapers; Periodicals

Press clippings *see* Clippings

Presses, Printing, *see* Printing presses

Prestidigitation *see* Conjuring

Presumptive evidence *see* Evidence

Prevarication *see* Equivocation

Prevention of cruelty to animals *see* Animals — Treatment

Price of food *see* Cost of living

**Prices**

*See also* Book prices; Cost of living; Economics; Food supply; Marketing of farm produce; Panics; Railroads — Rates; Salaries; Standard of living; Supply and demand; Value; Wages

**Pride and vanity**

*Refer from* Children; Eugenics; Heredity

*Refer from* Art; Painting; Painting, English

*Refer from* Church of Scotland; Presbyterianism

*Refer from* Calvinism; Church of Scotland; Church polity; Congregationalism; Covenanters; Dissenters; Presbyterian church; Puritans; Sects

*Refer from* Pharmacy; Posology (s)

*Refer from* Premonitions (s); Psychical research; Psychology; Thought transference

*Refer from* Historic houses; Landmarks, Preservation of (s); Landscape; Municipal improvement; Patriotism; Trees, Historic

*Refer from* Biography; Executive power; Kings and rulers; Rulers (s)

*Refer from* U. S. — Biography; U. S. — Presidents (s)

*Refer from* Campaigns, Presidential (s); Elections — U. S.; Presidential campaigns (s); Presidential elections (s)

*Refer from* Commerce; Consumption (economics); Cost; Cost of living; Economics; Finance; Manufactures; Money; Supply and demand; Value; Wages

*Refer from* Ethics; Vanity (s)



Priesthood *see* Priests

**Priests**

*See also* Catholic church — Clergy; Celibacy; Clergy; Ordination

Priests' holes *see* Secret chambers

Prima donnas *see* Singers

**Primaries**

*See also* Caucus; Elections; Nominations

Primary batteries *see* Electric batteries

Primary education *see* Education, Elementary

Primary elections *see* Primaries

Primary schools *see* Education, Elementary

**Primates**

*See also* Apes; Gorillas; Mammals; Man; Monkeys

**Prime ministers**

**Primers**

*See also* Hornbooks; Readers

Primitive art *see* Art, Primitive

Primitive Christianity *see* Church history — Early church

Primitive culture *see* Civilization — History

Primitive industries *see* Industries, Primitive

Primitive man *see* Man — Origin and antiquity; Savages

Primitive society *see* Society, Primitive

**Primogeniture**

*See also* Entail; Inheritance

**Princes and princesses**

*See also* Courts and courtiers; Monarchy

Princesses *see* Princes and princesses

Principal and agent *see* Agency

Principals, School, *see* School superintendents and principals

**Printers**

*See also* Typographical societies

**Printers' marks**

**Printing**

*See also* Block books; Books; Calico printing; Capitalization; Colophons; Color printing; Electrotyping; Embossing; Incunabula; Ink; Paper; Photography; Printers; Printers' marks; Printing presses; Proof reading; Publishers and publishing; Stereotyping; Title-pages; Type; Typesetting; Typesetting machines; Typographical societies; Zincography

**Printing presses**

Prints *see* Engravings

Prison *see* Prisons

Prison escapes *see* Escapes

Prison labor *see* Convict labor

Prisoners, Discharged, *see* Discharged prisoners

*Refer from* Catholic church — Biography; Catholic church — Clergy; Church of England — Clergy; Church polity; Clergy; Ministers of the gospel (s); Pastors (s); Priesthood (s); Protestant Episcopal church in the U. S.— Clergy

*Refer from* Caucus; Direct nominations (s); Direct primaries (s); Elections; Elections — U. S.; Government; Nominations; Politics; Primary elections (s); U. S.— Politics

*Refer from* Apes; Mammals; Monkeys

*Refer from* Ministers of state; Statesmen

*Refer from* Readers; Spellers; Textbooks

*Refer from* Descent (s); Entail; Inheritance; Law

*Refer from* Biography; Courts and courtiers; Kings and rulers; Monarchy; Princesses (s); Royalty (s)

*Refer from* Biography; Printing

*Refer from* Incunabula; Marks, Printers' (s); Printing; Trade-marks

*Refer from* Alphabet; Block books; Books; Communication; Industrial arts; Literature; Publishers and publishing; Stereotyping; Type; Typesetting; Typography (s)

*Refer from* Machinery; Presses, Printing (s); Printing

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**Prisoners of war**

*See also* Concentration camps; *also* subhead Prison life under various wars

**Prisons**

*See also* Convict labor; Crime and criminals; Discharged prisoners; Indeterminate sentence; Parole; Penal colonies; Police; Prisoners of war; Probation system; Punishment; Reformatories; Workhouses; *also* names of cities, subhead Prisons and reformatories

**—U. S.**

*See also* Crime and criminals — U. S.

**Private judgment**

*See also* Liberty of conscience; Religious liberty

Private libraries *see* Libraries, Private

**Private schools**

*See also* Academies (schools); Taxation, Exemption from

Private theatricals *see* Amateur theatricals

**Privateering**

*See also* Alabama claims; Maritime law; Prizes (international law); Search, Right of

**Privileged classes**

*See also* Leisure class; Monopolies

Prize fighting *see* Boxing

Prizes *see* Prizes (international law); Rewards (prizes, etc.)

**Prizes (international law)**

*See also* Contraband of war; Maritime law; Neutrality; Privateering; Salvage

**Probabilities**

*See also* Annuities; Chance; Errors, Theory of; Insurance; Least squares; Logic

**Probate law and practice**

*See also* Administrators and executors; Guardians; Inheritance; Jurisdiction; Trustees; Wills

Probation (theology) *see* Future life; Purgatory

**Probation system**

*See also* Juvenile courts; Parole

Procedure *see* Actions at law; Pleading and practice

Process work *see* Photomechanical processes

**Processions**

*See also* Pageants

**Procrastination**

Producer gas *see* Gas; Gas producers

Production *see* Economics; Industry

Products, Agricultural, *see* Agricultural products

*Refer from* Military art and science; Prisons; War

*Refer from* Convict labor; Convicts (s); Crime and criminals; Criminal law; Dungeons (s); Gaols (s); Government; Imprisonment (s); Indeterminate sentence; Jails (s); Penal institutions (s); Penitentiaries (s); Police; Prison (s); Public institutions (s); Punishment; Reform; Reformatories; Sociology; Workhouses

*Refer from* Crime and criminals — U. S.; U. S.— Prisons (s)

*Refer from* Liberty of conscience; Theology

*Refer from* Academies (schools); Boarding schools (s); Education; Education, Elementary; Education, Secondary; Schools

*Refer from* International law; Letters of marque (s); Maritime law; Naval art and science; Naval history; Pirates; Prizes (international law)

*Refer from* Economics; Government; Monopolies

*Refer from* International law; Maritime law; Privateering; Prizes (s); Rewards (prizes, etc.); War

*Refer from* Algebra; Betting; Certainty; Chance; Errors, Theory of; Fortune (s); Gambling; Least squares; Logic; Lotteries; Mathematics; Statistics

*Refer from* Administrators and executors; Courts; Guardians; Inheritance; Law; Surrogate law (s); Trustees; Wills

*Refer from* Crime and criminals; Criminal law; Indeterminate sentence; Juvenile courts; Parole; Prisons; Punishment; Reformatories; Suspended sentence (s)

*Refer from* Festivals; Pageants

*Refer from* Conduct of life



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Products, Commercial, *see* Commercial products

Profanation *see* Sacrilege

Profanity *see* Swearing

**Profession, Choice of**

*See also* Business; Occupations; Women — Occupations

**Professional education**

*See also* Law — Study and teaching; Library schools and training; Medicine — Study and teaching; Technical education; Theology — Study and teaching; Vocational education

Professional ethics *see* Legal ethics; Medical ethics

**Professions**

*See also* Clergy; Dentistry; Journalism; Law; Library science; Medicine; Occupations; Profession, Choice of; Professional education; Teaching

**Profit**

*See also* Capital; Economics; Interest; Wages

**Profit sharing**

*See also* Communism; Cooperation; Industrial betterment; Labor and capital; Labor and laboring classes

**Program music**

**Progress**

*See also* Civilization; Economic determinism; Nineteenth century; Reform; Twentieth century

Progressive taxation *see* Taxation, Progressive

**Prohibited books**

*See also* Liberty of the press

**Prohibition**

*See also* Liquor laws; Liquor problem; Local option; Temperance

**Projectiles**

*See also* Ammunition; Ballistics; Firearms; Gunnery; Ordnance

**Projection**

*See also* Geometrical drawing; Geometry, Descriptive; Mechanical drawing; Perspective

**Prologues**

*See also* Drama

**Promoting**

*See also* Corporations; Securities

Promotion (in schools) *see* School grading and promotions

**Pronunciation**

*See also* Phonetics; Pronunciation, English; *also* names of languages other than English, e.g. German language — Pronunciation — English

Prony brake *see* Dynamometer

Proof *see* Evidence; Logic

**Proof reading**

Propagation of plants *see* Plant propagation

*Refer from* Business; Choice of profession (s); Occupations; Professions; Success

*Refer from* Education; Education, Higher (s); Education, Professional (s); Higher education (s); Professions; Technical education; Vocational education

*Refer from* Occupations; Vocations (s)

*Refer from* Business; Capital; Economics

*Refer from* Commerce; Cooperation; Economics; Industrial betterment; Labor and capital; Labor and laboring classes; Wages

*Refer from* Instrumental music; Music

*Refer from* Civilization; Ethics; History; Sociology

*Refer from* Books; Books and reading; Censorship of the press (s); Condemned books (s); Liberty of the press

*Refer from* Liquor laws; Liquor problem; Liquor traffic; Local option; Temperance

*Refer from* Ammunition; Artillery; Ballistics; Bullets (s); Firearms; Gunnery; Military art and science; Ordnance; Shells (explosives) (s)

*Refer from* Drawing; Geometrical drawing; Geometry, Descriptive; Mechanical drawing; Orthographic projection (s); Perspective

*Refer from* Drama

*Refer from* Advertising; Business; Capitalization (finance) (s); Corporations

*Refer from* Elocution; Language; Orthography (s); Phonetics; Words

*Refer from* English language; English language — Pronunciation (s); Pronunciation

*Refer from* Printing



**Propellers**

*See also* Aerial propellers; Steamboats

Proper names *see* Names, Geographical;  
Names, Personal

**Property**

*See also* Administrators and executors; Appraising; Attachment; Capital; Church property; Communism; Confiscation; Conveyancing; Copyright; Damages; Eminent domain; Entail; Estates, Unclaimed; Income; Inheritance; Insurance; Land; Land titles; Liens; Mortgages; Personal property; Possession (law); Real estate; Rent; Sale; Salic law; Socialism; Taxation; Trespass; Wealth; Wills

—Intellectual, *see* Copyright; Inventions;  
Patents

**Prophecies**

*See also* Apocalyptic literature; Bible — Prophecies; Divination; Forecasts; Fortune telling; Jesus Christ; Oracles; Prophets; Second advent

**Prophets**

*See also* Bible — Prophecies; Prophecies

**Proportion (art)**

*See also* Anatomy, Artistic; Composition (art); Perspective; Symmetry

**Proportional representation**

*See also* Representative government and representation

Proportional taxation *see* Taxation, Progressive

Proprietary medicines *see* Medicines, Proprietary

**Prose**

*See also* Literature; Rhetoric; and the references under these subjects

**Prosody**

*See also* Accent; Meter; Poetry; Prosody, English; Rhyme; Rhythm; Versification; *also* names of languages other than English, e.g. German language — Prosody

—English

**Prospecting**

*See also* Assaying; Mines and mineral resources

**Prosperity**

*See also* Business depression; Panics

**Prostitution**

*See also* Illegitimacy; Sexual ethics; Vice

Protection *see* Tariff question

Protection from fire *see* Fire protection

Protection from frost *see* Frost protection

Protection of birds *see* Birds — Protection

*Refer from* Marine engineering; Screw propellers (s); Shipbuilding; Ships; Steamboats

*Refer from* Chattels (s); Commercial law; Economics; Government; Law; Ownership (s); Personal property; Real estate; Sociology; Wealth

*Refer from* Divination; Forecasts; Future (s); Predictions (s); Prophets; Theology

*Refer from* Bible; Bible — Prophecies; Bible — Old Testament — Biography; Biography; Jews; Prophecies

*Refer from* Anatomy, Artistic; Architecture; Art; Composition (art); Drawing; Esthetics; Figure drawing; Painting; Perspective; Sculpture; Symmetry

*Refer from* Constitutional law; Elections; Government; Minority representation (s); Representation (s); Representative government and representation

*Refer from* Literature; Rhetoric

*Refer from* Accent; Grammar; Language; Meter; Poetry; Rhyme; Versification

*Refer from* English language; English language — Prosody (s); English poetry; Prosody

*Refer from* Gold mines and mining; Mines and mineral resources

*Refer from* Business; Commerce; Economics; Wealth

*Refer from* Crime and criminals; Law; Sexual ethics; Social evil (s); Social problems; Vice; White slave trade (s); Women; Women — Crime



Protection of game *see* Game protection  
Protective mimicry *see* Mimicry (biology)  
Proteids *see* Proteins

**Proteins**

*See also* Chemistry, Organic; Physiological chemistry

Protestant churches *see* Protestantism

**Protestant Episcopal church in the U. S.**  
[subdivided like Church of England]

*See also* Anglican communion; Apostolic succession; Christian year; Church of England; Confirmation; Episcopacy; Fasts and feasts; Ritualism; Sacraments; Sisterhoods

— **Conventions**

Protestant reformation *see* Reformation

**Protestantism**

*See also* Catholic church; Reformation; Sects

**Protoplasm**

*See also* Biology; Cells; Embryology

**Protozoa**

*See also* Infusoria; Invertebrates

**Provençal language**

*See also* Romance languages

**Provençal literature**

*See also* French literature; Troubadours

**Proverbs**

*See also* Bible — Old Testament — Proverbs; Epigrams; Folklore; Maxims; Quotations; Weather lore

**Providence**

Provident loan associations *see* Building and loan associations

**Prudence**

*See also* Thrift

**Pruning**

*See also* Fruit culture

Psalmody *see* Bible — Old Testament —

Psalms; Church music; Hymns

Psalter *see* Bible — Old Testament — Psalms

**Pseudonyms**

*See also* Anonyms; Nicknames

Psychiatry *see* Mental diseases

**Psychical research**

*See also* Animal magnetism; Apparitions; Clairvoyance; Ghosts; Hypnotism; Hysteria; Illusions and hallucinations; Mind reading; Occult sciences; Personality; Presentiments; Psychometry (character reading, etc.); Spiritualism; Subconsciousness; Suggestion; Thought transference

**Psychology**

*See also* Ability; Animal intelligence; Apparitions; Apperception; Association of ideas; Attention; Automatism; Belief; Brain; Character; Child study; Color sense; Common sense; Consciousness; Crowds;

*Refer from* Chemistry, Organic; Food; Physiological chemistry; Proteids (s)

*Refer from* Anglican communion; Church of England; Episcopacy; Episcopal church (s); Sects

*Refer from* Catholic church; Christianity; Church history; Protestant churches (s); Reformation; Theology

*Refer from* Biology; Bioplasm (s); Cells; Embryology; Physiology

*Refer from* Animalcules; Cells; Infusoria; Invertebrates; Marine zoology

*Refer from* French language; Langue d'oc (s); Romance languages

*Refer from* French literature; Troubadours

*Refer from* Adages (s); Aphorisms (s); Apothegms (s); Epigrams; Folklore; Literature; Maxims; Quotations; Sayings (s)

*Refer from* God; Theology

*Refer from* Conduct of life; Thrift

*Refer from* Forests and forestry; Fruit culture; Gardening; Trees

*Refer from* Anonyms; Authors; Bibliography; Fictitious names (s); Names, Personal; Nicknames; Noms de plume (s); Sobriquets (s); Soubriquets (s)

*Refer from* Apparitions; Clairvoyance; Ghosts; Hypnotism; Illusions and hallucinations; Mind reading; Occult sciences; Personality; Psychology; Research; Spiritualism; Supernatural; Thought transference

*Refer from* Apperception; Association of ideas; Attention; Brain; Consciousness; Dreams; Education; Emotions; Habit; Human faculties (s); Imagination; Intellect; Intuition; Judgment; Knowledge; Man; Memory;



## **Psychology—Continued**

Dreams; Eccentricity; Ecstasy; Education; Emotions; Esthetics; Ethics; Ethnopsychology; Experience; Freedom of the will; Genius; Graphology; Habit; Heredity; Hypnotism; Hysteria; Illusions and hallucinations; Imagination; Imitation; Individuality; Insanity; Instinct; Intellect; Intuition; Judgment; Knowledge; Logic; Melancholy; Memory; Mental diseases; Mental healing; Mental hygiene; Metaphysics; Mind and body; Mind reading; Muscular sense; New thought; Observation; Perception; Personality; Philosophy; Phrenology; Physiognomy; Play; Pleasure; Precocity; Presentiments; Psychical research; Reaction time; Reason; Senses and sensation; Sleep; Social psychology; Somnambulism; Soul; Subconsciousness; Suggestion; Temperament; Thought and thinking; Thought transference; Will; Worry

—Biblical, *see* Bible — Psychology

### **—Comparative**

*See also* Animal intelligence; Color sense; Ethnopsychology; Instinct; Play; Social psychology

### **—Educational**

*See also* Apperception; Attention; Child study; Imagination; Imitation; Interest (psychology); Memory; Mental discipline; Observation; Perception; Thought and thinking

—Ethnic, *see* Ethnopsychology

—Experimental, *see* Psychology, Physiological

—Pathological, *see* Mental diseases

### **—Physiological**

*See also* Brain; Fatigue, Mental; Inhibition; Left- and right-handedness; Mental diseases; Mind and body; Muscular sense; Nervous system; Pain; Phrenology; Psychometry; Reaction time; Senses and sensation; Space perception

—Racial, *see* Ethnopsychology

—Social, *see* Social psychology

## **Psychometry**

*See also* Reaction time

### **Psychometry (character reading, etc.)**

Psychopathic hospitals *see* Insane hospitals

Psychosis *see* Mental diseases

Psychotherapy *see* Mental healing; Suggestive therapeutics

Psychrometer *see* Hygrometry

## **Ptomaines**

*See also* Putrefaction; Toxins

## **Puberty**

*See also* Youth

Public baths *see* Baths, Public

### **Public buildings**

*See also* Library architecture; Municipal centers; Public works; Schoolhouses; *also* names of countries and cities, subhead Public buildings

Mental philosophy (s); Mental science (s); Metaphysics; Mind (s); Mind and body; Perception; Personality; Philosophy; Reason; Science; Senses and sensation; Soul; Thought and thinking; Understanding (s); Will

*Refer from* Animal intelligence; Animal psychology (s); Comparative psychology (s); Instinct; Intellect; Intelligence of animals (s); Zoology

*Refer from* Apperception; Attention; Child study; Education; Educational psychology (s); Mental discipline; Teaching

*Refer from* Experimental psychology (s); Mental physiology (s); Mind and body; Muscular sense; Nervous system; Physiological psychology (s); Physiology; Psychology, Experimental (s); Reaction time; Senses and sensation

*Refer from* Anthropometry; Brain; Psychology, Physiological; Reaction time

*Refer from* Character reading (s); Clairvoyance; Psychical research

*Refer from* Alkaloids; Pathology; Poison (s); Poisons; Putrefaction; Toxins

*Refer from* Physiology; Sex; Youth

*Refer from* Architecture; Buildings, Public (s); Government buildings (s); Municipal art; Municipal buildings (s); Municipal centers; Public works





**Public comfort stations**

Public debts *see* Debts, Public

Public documents *see* Government publications

Public health *see* Hygiene, Public

Public health boards *see* Health boards

Public institutions *see* Charities; Prisons; Public schools

**Public lands**

*See also* National parks and reserves; *also* names of countries and cities, subhead Public lands

Public libraries *see* Libraries, Public

**Public meetings**

*See also* Assembly, Right of; *also* names of countries and cities, subhead Conventions and public meetings

**Public opinion**

Public ownership *see* Government ownership; Municipal ownership

Public playgrounds *see* Playgrounds

Public records *see* Archives

**Public schools**

*See also* Bible in the schools; Country schools; Education; Education and state; Evening and continuation schools; Grammar schools; High schools; Libraries and schools; Open-air schools; Public schools and religion; School children; Schools; Schools—Centralization; Teachers; Teaching; Truancy; Truant schools; Vacation schools; Vocational education; *also* headings beginning School

—U. S.

*See also* Education — U. S.

**Public schools and religion**

*See also* Bible in the schools

**Public service commissions**

*See also* Government regulation of industry; Railroad commissions

**Public service corporations**

*See also* Carriers; Eminent domain; Express companies; Gas companies; Government ownership; Government regulation of industry; Municipal franchises; Municipal ownership; Public service commissions; Railroads; Street railroads; Telegraph; Telephone

Public speaking *see* Oratory

Public spirit *see* Citizenship; Patriotism

Public utilities *see* Public service corporations

**Public works**

*See also* Municipal engineering; Public buildings; *also* names of countries and cities, subhead Public works

Public worship *see* Church attendance; Church services

**Publicity**

*See also* Advertising; Campaign funds

*Refer from* Hygiene, Public; Municipal improvement; Sanitary engineering

*Refer from* Crown lands (s); Land

*Refer from* Assembly, Right of; Meetings, Public (s)

*Refer from* Liberty of conscience; Liberty of the press; Opinion (s); People; Social psychology

*Refer from* Common schools (s); Education; Education and state; Free schools (s); Public institutions (s); Schools

*Refer from* Education — U. S.; U. S.— Public schools (s); U. S.— Schools (s)

*Refer from* Bible in the schools; Church and education; Education; Public schools; Religion in the public schools (s); Religious education

*Refer from* Government regulation of industry; Public service corporations

*Refer from* Corporations; Eminent domain; Government ownership; Government regulation of industry; Municipal franchises; Municipal ownership; Public utilities (s)

*Refer from* Civil engineering; Municipal engineering; Public buildings

*Refer from* Advertising; Corporations; Journalism; Newspapers



**Publishers and publishing**

*See also* Book reviews; Books; Booksellers and bookselling; Catalogs, 'Publishers'; Copyright; Printing

Publishers' catalogs *see* Catalogs, Publishers'

Publishing *see* Publishers and publishing

**Pueblo Indians**

*See also* Pueblos

Pueblos [the buildings and villages]

*See also* Cliff dwellers and cliff dwellings;

Pueblo Indians

Pugilism *see* Boxing

**Pulleys**

*See also* Belting; Power transmission; Rope driving; Shafting

Pulp wood *see* Wood pulp

Pulpit oratory *see* Preaching

**Pulpits**

*See also* Church furniture

Pulpwood *see* Wood pulp

**Pumping stations**

*See also* Pumps; Water supply

**Pumps**

*See also* Air pumps; Pumping stations

Punch and Judy *see* Puppet plays

**Punching machinery**

*See also* Dies

**Punctuation****Punic wars**

*See also* Carthage; Rome — History — Republic

**Punishment**

*See also* Capital punishment; Corporal punishment; Crime and criminals; Criminal law; Crucifixion; Exile; Flogging; Future punishment; Gallies; Indeterminate sentence; Parole; Penal colonies; Pillory; Prisons; Probation system; Reformatories; Torture; Workhouses

**Punning**

*See also* Humor

**Puppet plays**

*See also* Shadow pantomimes

Pure food laws *see* Food adulteration and inspection; Food laws

**Purgatives****Purgatory**

*See also* Future life; Future punishment; Indulgences

Purification of water *see* Water — Purification

Puritanism *see* Puritans

**Puritans**

*See also* Blue laws; Church of England; Congregationalism; Dissenters; Friends, Society of; Marprelate controversy; Massachusetts — History; Nonjurors; Pilgrim fathers; Presbyterianism; Thanksgiving day

*Refer from* Book trade (s); Books; Booksellers and bookselling; Copyright; Literature; Printing; Publishing (s)

*Refer from* Indians; Pueblos

*Refer from* Arizona; Indians; Indians—Antiquities; New Mexico; Pueblo Indians

*Refer from* Belting; Machinery; Mechanical movements; Mechanics; Power transmission; Rope driving; Shafting

*Refer from* Church furniture

*Refer from* Hydraulic engineering; Pumps; Water supply

*Refer from* Engines; Hydraulic engineering; Hydraulic machinery; Machinery; Pumping stations; Steam pumps (s); Water supply

*Refer from* Dies; Machine tools; Metal work; Sheet-metal work

*Refer from* Language; Rhetoric; Writing

*Refer from* Carthage; Rome — History — Republic

*Refer from* Crime and criminals; Criminal law; Government; Law; Manners and customs; Penology (s); Prisons; Retribution (s); Sociology; Torture

*Refer from* Humor

*Refer from* Amusements; Drama; Marionettes (s); Pantomime; Punch and Judy (s); Theater

*Refer from* Therapeutics

*Refer from* Catholic church; Church discipline; Death; Eschatology; Future life; Future punishment; Indulgences; Intermediate state (s); Probation (theology) (s); Retribution (s); Theology

*Refer from* Calvinism; Christian biography; Church of England; Congregationalism; Dissenters; Massachusetts — History; Pilgrim fathers; Puritanism (s)



Purity *see* Chastity

Pus *see* Suppuration

Puseyism *see* Oxford movement; Pusey, E. B.

**Putrefaction**

*See also* Antiseptics; Bacteriology; Contagion and contagious diseases; Disinfection and disinfectants; Fermentation; Ptomaines

**Puzzles**

*See also* Acrostics; Anagrams; Charades; Riddles

Pygmies *see* Dwarfs

**Pyramids**

*See also* Egypt — Antiquities

**Pyrography**

*See also* Arts and crafts

**Pyrometers and pyrometry**

Pyrotechnics *see* Fireworks

**Quacks and quackery**

*See also* Imposture; Medicines, Proprietary; Swindlers and swindling

Quadrature of the circle *see* Circle-squaring

**Quadrupeds**

*See also* Animals; Domestic animals; Mammals; Zoology

Quakers *see* Friends, Society of

Qualitative analysis *see* Chemistry—Analysis

Quantitative analysis *see* Chemistry—Analysis

**Quarantine**

*See also* Hygiene, Public

**Quarries and quarrying**

*See also* Blasting; Building stones; Mines and mineral resources; Stone

Quartets, Vocal, *see* Choruses and part songs

Quaternary period *see* Geology, Stratigraphic — Quaternary; Paleontology — Quaternary

**Quaternions**

*See also* Algebra; Vector analysis

**Queen Anne's war, 1702-1713**

*See also* Indians — Wars; U. S. — History — Colonial period

**Queens and empresses**

*See also* Courts and courtiers; Monarchy

Quicksilver *see* Mercury

**Quietism**

*See also* Mysticism

**Quincy system**

*See also* Object teaching

**Quotations**

*See also* Clippings; Daily readings; Epigrams; Maxims; Mottoes; Proverbs

*Refer from* Antiseptics; Bacteriology; Contagion and contagious diseases; Disinfection and disinfectants; Fermentation; Ptomaines

*Refer from* Acrostics; Amusements; Charades; Riddles

*Refer from* Archaeology; Architecture; Architecture, Ancient; Egypt — Antiquities; Monuments

*Refer from* Arts and crafts; Burnt leather (s); Burnt wood work (s); Etching; Fire etching (s); Poker work (s); Wood burning (s); Woodwork  
*Refer from* Heat; Thermometer

*Refer from* Charlatanry (s); Imposture; Medical delusions; Medicine; Swindlers and swindling

*Refer from* Mammals; Zoology

*Refer from* Contagion and contagious diseases; Epidemics; Hygiene, Public; Naval hygiene

*Refer from* Blasting; Building stones; Geology, Economic; Mines and mineral resources; Stone; Stone quarries (s)

*Refer from* Algebra; Geometry; Mathematics; Vector analysis

*Refer from* England — History — Stuarts; French in America; Indians — Wars; New England — History — Colonial period; New York (state) — History; Spanish succession, War of; U. S. — History — Colonial period

*Refer from* Biography; Courts and courtiers; Empresses (s); Kings and rulers; Monarchy; Rulers (s); Royalty (s); Sovereigns (s); Women

*Refer from* Mysticism; Theology

*Refer from* Object teaching; Teaching

*Refer from* Aphorisms (s); Apothegms (s); Epigrams; Literature; Maxims; Mottoes; Poetry; Proverbs; Reference books; Sayings (s)



**Quran** *see* Koran

**Rabbits**

*See also* Belgian hares; Hares; Rodents

**Rabies** *see* Hydrophobia

**Race characteristics** *see* Anthropology; Ethnology; National characteristics

**Race horses** *see* Horse; Horse racing

**Race improvement** *see* Eugenics

**Race problems**

*See also* Immigration and emigration; International relations; Jews; Negroes; Yellow races

— **U. S.**

*See also* Chinese in the U. S.; Immigration and emigration — U. S.; Indians; Japanese in the U. S.; Negroes; U. S.— Foreign population

**Race psychology** *see* Ethnopsychology

**Races of man** *see* Ethnology

**Racing** *see* Automobile racing; Horse racing; Rowing; Running; Yachts and yachting

**Rackets (game)**

**Racquets** *see* Rackets (game)

**Radiation**

*See also* Cathode rays; Heat; Light; N rays; Radioactivity; Sound; Spectra; X rays

**Radioactive substances** *see* Radioactivity

**Radioactivity**

*See also* Cathode rays; Electrons; Helium; Ionization of gases; Phosphorescence; Radiography; Radiotherapy; Radium; X rays

**Radiography**

*See also* X rays

**Radiotelegraphy** *see* Wireless telegraphy

**Radiotherapy**

*See also* Radium; X rays

**Radium**

*See also* Radioactivity; Radiotherapy

**Ragged schools**

**Railings**

*See also* Fences

**Railroad accidents** *see* Railroads — Accidents

**Railroad bridges** *see* Bridges

**Railroad commissions**

**Railroad construction** *see* Railroads — Construction

**Railroad crossings** *see* Railroads — Crossings

**Railroad employees** *see* Railroads — Employees

**Railroad engineering**

*See also* Railroads — Construction; Railroads — Maintenance and repair; Railroads — Management; Surveying

*Refer from* Agricultural pests; Hares; Rodents

*Refer from* Ethnology; Government; History; International relations; Man; Native races (s); Social problems; Sociology; Yellow peril (s)

*Refer from* Ethnology — U. S.; Immigration and emigration — U. S.; Negroes; U. S. — Foreign population; U. S.— Race problems (s)

*Refer from* Games; Racquets (s); Tennis

*Refer from* Heat; Light; Physics; Sound

*Refer from* Becquerel rays (s); Chemistry; Chemistry, Physical; Electric discharges through gases; Electricity; Electrons; Helium; Ionization of gases; Light; Matter; Physics; Radiation; Radioactive substances (s); Radium; Rare earths; Science; Spectra

*Refer from* Dislocations; Fractures; Photography; Radioactivity; Sciagraphs (s); Skiagraphs (s); X-ray photography (s); X rays

*Refer from* Actinotherapy (s); Electrotherapeutics; Phototherapy; Radioactivity; Radium; Therapeutics; X rays

*Refer from* Chemical elements; Precious metals; Radioactivity; Radiotherapy

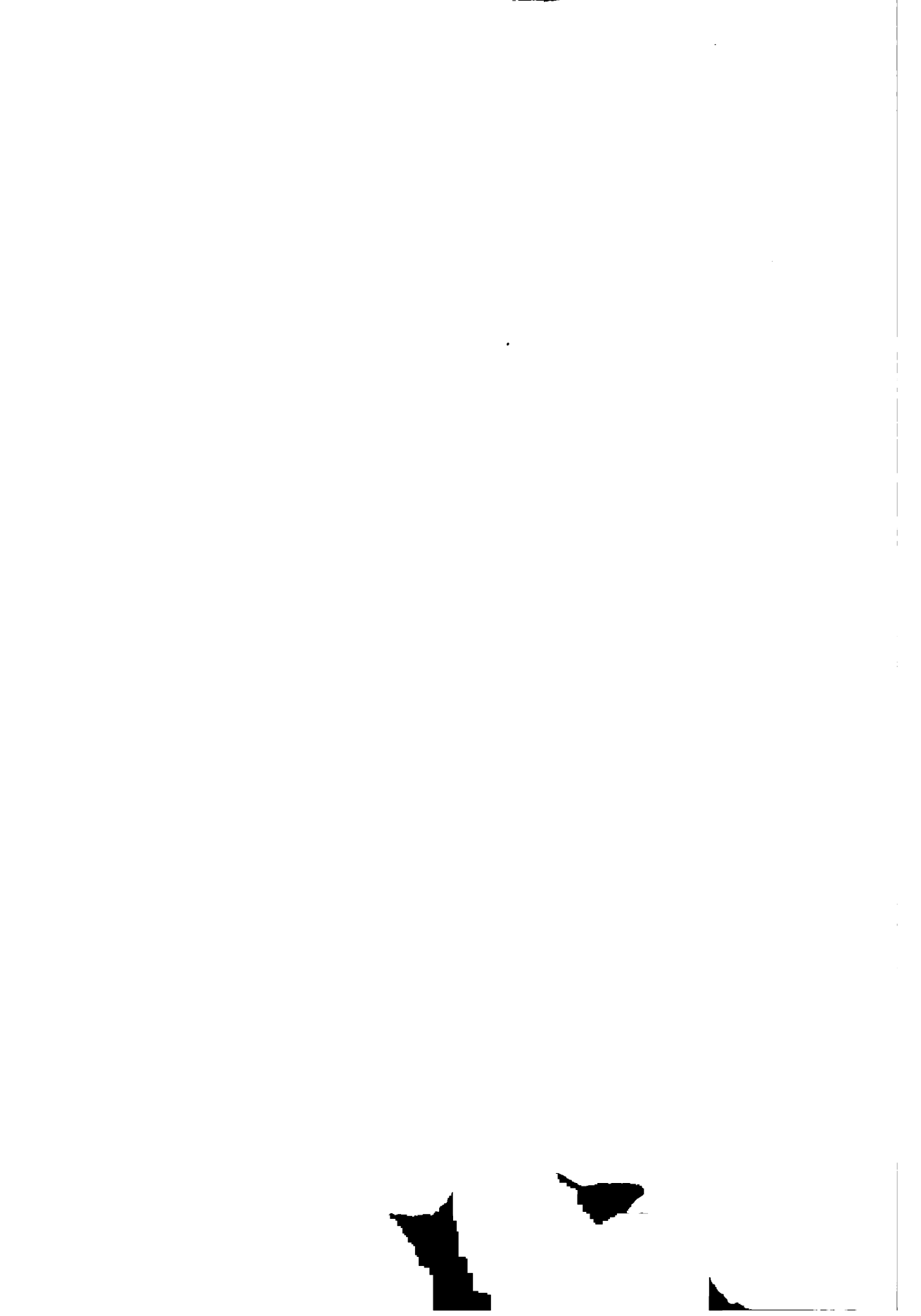
*Refer from* Charities; Charity schools; Education; Schools

*Refer from* Architecture; Balustrades (s); Carpentry; Fences; Hand-railings (s); Hand-railings (s); Iron work; Stair building

*Refer from* Government regulation of industry; Public service commissions; Railroads; Railroads — Law

*Refer from* Civil engineering; Engineering; Railroads; Railroads — Construction; Surveying





Railroad labor *see* Railroads — Employees  
 Railroad law *see* Railroads — Law  
 Railroad passes *see* Passes (free transportation)  
 Railroad rates *see* Railroads — Rates  
 Railroad shops *see* Railroads — Shops  
 Railroad signals *see* Railroads — Signals  
 Railroad spikes *see* Nails and spikes  
 Railroad stations *see* Railroads — Stations  
**Railroad stories**  
 Railroad switches *see* Railroads — Switches  
 Railroad terminals *see* Railroads — Stations  
 Railroad ties *see* Railroads — Ties  
 Railroad tracks *see* Railroads — Track  
**Railroads**

*See also* Aerial railroads; Air brakes; Brakes; Bridges; Cable railroads; Carriers; Cars; Commerce; Earthwork; Electric railroads; Elevated railroads; Eminent domain; Express companies; Freight; Locomotives; Mountain railroads; Passes (free transportation); Railroad commissions; Railroad engineering; Railroad stories; Railway mail service; Rapid transit; Safety devices; Ship railroads; Speed; Steam engines; Street railroads; Subways; Surveying; Suspended railways; Train despatching; Transportation; Trestles; Tunnels

— **Accidents**

*See also* Railroads — Crossings; Railroads — Signals; Safety devices

— Aerial, *see* Aerial railroads

— Baggage, *see* Baggage

— **Buildings**

*See also* Railroads — Shops; Railroads — Stations

— Cable, *see* Cable railroads

— Cars, *see* Cars; Railroads — Rolling stock

— Collisions, *see* Railroads — Accidents

— **Construction**

*See also* Bridges; Civil engineering; Culverts; Curves in engineering; Earthwork; Railroad engineering; Railroads — Buildings; Railroads — Crossings; Railroads — Maintenance and repair; Railroads — Ties; Railroads — Track; Rails; Trestles; Tunnels

— **Crossings**

*See also* Railroads — Track

— Depots, *see* Railroads — Stations

— Electric, *see* Electric railroads

— **Electrification**

*See also* Electric locomotives; Electric railroads

— Elevated, *see* Elevated railroads

— **Employees**

*See also* Railroads — Pensions

*Refer from* Fiction; Railroads

*Refer from* Carriers; Commerce; Communication; Locomotives; Public service corporations; Railways (s); Rapid transit; Roads; Steam engines; Transportation

*Refer from* Accidents; Collisions (railroad) (s); Disasters; Occupations, Dangerous; Railroad accidents (s); Railroads — Collisions (s)

*Refer from* Architecture; Railroads — Construction; Railroads — Stations

*Refer from* Civil engineering; Engineering; Railroad construction (s); Railroad engineering; Railroads — Maintenance and repair; Railroads — Ties; Railroads — Track

*Refer from* Crossings, Railroad (s); Grade crossings (s); Municipal improvement; Railroad crossings (s); Railroads — Accidents; Railroads — Construction; Railroads — Track; Roads

*Refer from* Electric locomotives; Electric railroads; Electrification of railroads (s); Railroads — Equipment and supplies

*Refer from* Labor and laboring classes; Railroad employees (s); Railroad labor (s); Railroads — Labor (s); Railroads — Management



**Railroads—Continued**

**—Equipment and supplies**

*See also* Air brakes; Brakes; Car couplings; Car heating, lighting and ventilation; Cars; Locomotives; Railroads—Electrification; Railroads—Maintenance and repair; Railroads—Management; Railroads—Rolling stock; Railroads—Shops; Railroads—Signals; Safety devices

**—Finance**

*See also* Railroads—Rates; Railroads—Taxation

**—Freight, *see* Freight**

**—Government ownership, *see* Government ownership; Railroads and state**

**—History**

**—Labor, *see* Railroads—Employees**

**—Law**

*See also* Interstate commerce; Railroad commissions; Railroads—Rates; Railroads and state

**—Maintenance and repair**

*See also* Railroads—Construction; Railroads—Equipment and supplies; Railroads—Management; Railroads—Rolling stock; Railroads—Ties; Railroads—Track; Rails

**—Management**

*See also* Railroads—Employees; Railroads—Equipment and supplies; Railroads—Finance; Railroads—Maintenance and repair; Railroads—Signals; Scientific management; Train despatching

**—Military**

**—Monorail, *see* Railroads—Single rail**

**—Operation, *see* Railroads—Management**

**—Passes, *see* Passes (free transportation)**

**—Pensions**

**—Rails, *see* Rails**

**—Rates**

*See also* Interstate commerce; Passes (free transportation)

**—Repair shops, *see* Railroads—Shops**

**—Rolling stock**

*See also* Cars; Locomotives; Railroads—Equipment and supplies; Railroads—Maintenance and repair; Sleeping cars

**—Safety devices, *see* Safety devices**

**—Shops**

**—Signals**

**—Single rail**

*See also* Gyroscope; Suspended railways

*Refer from* Railroads—Maintenance and repair; Railroads—Management; Railroads—Rolling stock

*Refer from* Capitalization (finance) (s); Investments; Railroads—Management

*Refer from* Corporation law; Railroad law (s)

*Refer from* Railroad engineering; Railroads—Construction; Railroads—Equipment and supplies; Railroads—Management; Railroads—Rolling stock; Railroads—Track

*Refer from* Railroad engineering; Railroads—Equipment and supplies; Railroads—Maintenance and repair; Railroads—Operation (s); Scientific management

*Refer from* Military art and science; Military engineering; Military railroads (s)

*Refer from* Pensions; Railroads—Employees

*Refer from* Freight; Freight rates (s); Government regulation of industry; Interstate commerce; Prices; Railroad rates (s); Railroads—Finance; Railroads—Law; Railroads and state; Rates, Railroad (s); Rebates (railroads) (s)

*Refer from* Cars; Railroads—Cars (s); Railroads—Equipment and supplies; Railroads—Maintenance and repair; Rolling stock (s)

*Refer from* Car shops (s); Railroad shops (s); Railroads—Buildings; Railroads—Equipment and supplies; Railroads—Repair shops (s); Repair shops, Railroad (s); Shops (s)

*Refer from* Block signal system (s); Railroad signals (s); Railroads—Accidents; Railroads—Equipment and supplies; Railroads—Management; Safety devices; Signals

*Refer from* Electric railroads; Gyroscope; Monorailways (s); Railroads, Monorail (s); Single rail (s)



**Railroads — Continued**

**— Stations**

*See also* Railroads — Buildings

**— Suspended, *see* Suspended railways**

**— Switches**

*See also* Railroads — Track

**— Taxation**

**— Terminals, *see* Railroads — Stations**

**— Ties**

*See also* Railroads — Construction; Railroads — Track; Wood — Preservation

**— Track**

*See also* Railroads — Construction; Railroads — Crossings; Railroads — Maintenance and repair; Railroads — Switches; Railroads — Ties; Rails

**— Underground, *see* Subways**

**— U. S.**

**Railroads and state**

*See also* Government ownership; Government regulation of industry; Interstate commerce; Railroads — Rates

**Rails**

*See also* Railroads — Track

**Railway mail service**

*See also* Postal service

**Railways *see* Railroads**

**Rain**

*See also* Droughts; Meteorology

**Rainbow**

**Ramie**

*See also* Fibers

**Rams, Hydraulic, *see* Hydraulic rams**

**Ranch life**

*See also* Cowboys; Western states

**Range management *see* Farm management**

**Rapid transit**

*See also* Electric railroads; Elevated railroads; Railroads; Street railroads; Subways

**Rappists *see* Harmonists**

**Rare books *see* Book rarities**

**Rare earths**

*See also* Chemistry, Inorganic; Mineralogy;

Radioactivity

**Rasps *see* Files and rasps**

**Rat *see* Rats**

**Rates, Railroad, *see* Railroads — Rates**

**Rationalism**

*See also* Deism; Enlightenment; Free thought; Reason; Transcendentalism

*Refer from* Architecture; Depots (s); Railroad stations (s); Railroad terminals (s); Railroads — Buildings; Railroads — Depots (s); Railroads — Terminals (s); Stations, Railroad (s)

*Refer from* Railroad switches (s); Railroads — Track; Switches, Railroad (s)

*Refer from* Railroads — Finance; Taxation

*Refer from* Cross-ties (s); Railroad ties (s); Railroads — Construction; Railroads — Maintenance and repair; Railroads — Track; Steel ties (s); Ties, Railroad (s)

*Refer from* Railroad tracks (s); Railroads — Construction; Railroads — Crossings; Railroads — Maintenance and repair; Railroads — Switches; Railroads — Ties; Rails; Track, Railroad (s)

*Refer from* Interstate commerce; U. S.—Commerce; U. S.—Railroads (s)

*Refer from* Government; Government ownership; Government regulation of industry; Interstate commerce; Railroads — Government ownership (s); Railroads — Law

*Refer from* Railroads — Construction; Railroads — Maintenance and repair; Railroads — Rails (s); Railroads — Track; Steel; Steel rails (s)

*Refer from* Postal service; Railroads

*Refer from* Climate; Droughts; Meteorology; Storms; Water

*Refer from* Light; Meteorology

*Refer from* Fibers; Hemp

*Refer from* Cowboys; Farm life; Frontier and pioneer life; Western states

*Refer from* Electric railroads; Elevated railroads; Railroads; Street railroads; Subways; Transit (s); Transportation

*Refer from* Chemistry, Inorganic; Earths, Rare (s); Mineralogy; Precious minerals (s)

*Refer from* Agnosticism; Belief; Deism; Free thought; Materialism; Philosophy; Philosophy, Modern; Reason (in religion) (s); Religion; Skepticism; Theology



**Rats**

*See also* Rats as carriers of contagion;  
Rodents

**Rats as carriers of contagion**

Raw materials *see* Commercial products

Reaction, Chemical, *see* Chemical reaction

**Reaction time**

*See also* Psychology, Physiological; Psychometry

**Readers** [for English school readers]

*See also* Primers; Recitations and readings; *also* names of languages, e.g. German language — Readers

**Reading**

*See also* Books and reading; Elocution; Readers

Readings *see* Recitations and readings

**Ready-reckoners**

*See also* Mathematics — Tables, etc.

**Reagents**

*See also* Chemical reaction

**Real estate**

*See also* Church property; Conveyancing; Deeds; Easements; Eminent domain; Entail; Estates, Unclaimed; Farm values; Farms; Land; Land tenure; Land titles; Landlord and tenant; Liens; Mortgages; Possession (in law); Property; Real estate business; Rent; Riparian rights; Sale; Single tax; Taxation; Torrens system; Unearned increment

**Real estate business**

Real presence *see* Lord's supper; Transubstantiation

Real property *see* Real estate

**Realism**

*See also* Idealism; Naturalism; Realism in art; Realism in literature; Scholasticism

**Realism in art**

*See also* Idealism in art; Naturalism in art

**Realism in literature**

*See also* Idealism in literature; Naturalism in literature

Realism in philosophy *see* Realism

**Reality**

*See also* Being; Metaphysics

Realty *see* Real estate

Reapers *see* Harvesting machinery

Reaping machines *see* Harvesting machinery

**Reason**

*See also* Animal intelligence; Instinct; Judgment; Logic; Philosophy; Psychology; Thought and thinking

Reason (in religion) *see* Rationalism

Reasoning *see* Logic

Rebates (railroads) *see* Railroads — Rates

*Refer from* Household pests; Rat (s); Rodents

*Refer from* Contagion and contagious diseases; Rats

*Refer from* Consciousness; Psychology; Psychology, Physiological; Psychometry; Senses and sensation; Time, Reaction (s)

*Refer from* English language—Readers (s); Literature; Primers; Reading; Recitations and readings; Textbooks

*Refer from* Elocution

*Refer from* Arithmetic; Arithmetic, Commercial; Calculation—Aids (s); Calculators (s); Mathematics

*Refer from* Chemical reaction; Chemical reagents (s); Chemistry

*Refer from* Betterments (s); Commercial law; Conveyancing; Deeds; Easements; Investments; Land; Land tenure; Land titles; Law; Mortgages; Property; Real property (s); Realty (s)

*Refer from* Business; Investments; Real estate

*Refer from* Idealism; Naturalism; Philosophy; Realism in philosophy (s); Scholasticism

*Refer from* Art; Esthetics; Idealism in art; Naturalism in art; Painting; Realism

*Refer from* Esthetics; Fiction; Idealism in literature; Literature; Naturalism in literature; Realism

*Refer from* Being; Knowledge; Metaphysics; Philosophy

*Refer from* Intellect; Judgment; Logic; Philosophy; Psychology; Rationalism; Thought and thinking



Recommendations -  
Recommendations  
for the 3rd year

Rebates of duties *see* Drawbacks

**Rebellion**

*See also* Revolutions; *also* names of countries in which rebellions have taken place, e.g. U. S.—History—Civil war

**Recall**

*See also* Referendum

**Receipts**

*See also* Cookery

**Receivers**

*See also* Bankruptcy

Recipes *see* Cookery; Receipts

**Reciprocity**

*See also* Commercial treaties; Tariff question

**Recitations and readings**

*See also* Christmas poetry; Dialogues; English literature—Collections; English poetry—Collections; Literature—Collections; Monologues; Orations; Poetry—Collections; Readers

—**Dialect**

—**Humorous**

**Reclamation of land**

*See also* Alkali lands; Drainage; Irrigation; Jetties; Marshes

**Recognition (international law)**

**Reconstruction**

*See also* Freedmen; Ku-Klux Klan; Southern states; U. S.—History—1865-1898

Records, Public, *see* Archives

Records of births, marriages and deaths *see* Vital records

Recreation *see* Amusements; Games; Play; Sports

Recreation centers *see* Social centers

**Recruiting and enlistment**

*See also* Bounties, Military; Conscription; Military service

Rectors *see* Clergy

**Red cross**

*See also* Battlefield relief

Redemption *see* Salvation

**Redemptioners**

*See also* Indentured servants

**Reed organ**

*Refer from* Government; Revolutions

*Refer from* Elections; Government; Impeachment; Municipal government; Referendum

*Refer from* Chemistry; Chemistry, Technical; Home economics; Industrial arts; Manufactures; Recipes (s); Workshop receipts (s)

*Refer from* Agency; Bankruptcy; Corporations; Law

*Refer from* Commerce; Commercial treaties; Fair trade (s); Government; Tariff; Tariff question

*Refer from* Declamation (s); Dialogues; Elocution; English literature—Collections; Entertainments; Literature; Literature—Collections; Monologues; Pieces to speak (s); Poetry—Collections; Readers; Readings (s); Speakers (s)

*Refer from* Dialect recitations (s); Negro dialect

*Refer from* Humor; Humorous recitations (s)

*Refer from* Agriculture; Civil engineering; Conservation of resources; Deserts; Drainage; Engineering; Hydraulic engineering; Irrigation; Land; Marshes

*Refer from* International law; War

*Refer from* Carpetbag rule (s); Freedmen; Ku-Klux Klan; Southern states; U. S.—History—Civil war; U. S.—History—1865-1898; U. S.—History—Reconstruction (s), U. S.—Reconstruction (s)

*Refer from* Armies; Bounties, Military; Conscription; Enlistment (s); Military service

*Refer from* Battlefield relief; Disasters; Hospitals, Military; International law; Nurses and nursing; Relief work (s); War

*Refer from* Germans in Pennsylvania; Immigration and emigration—U. S.; Indentured servants; Slavery; U. S.—History—Colonial period

*Refer from* Cabinet organ (s); Harmonium (s); Musical instruments; Organ



**Reference books**

*See also* Allusions; Classical dictionaries; Dictionaries; Encyclopedias; Quotations; *also* subhead Dictionaries under various subjects

**Referendum**

*See also* Recall

Reflecting telescope *see* Telescope

**Reflection (light)**

*See also* Light; Optical instruments

Reflections *see* Meditations

Reforestation *see* Forest planting

**Reform**

*See also* Charities; Reformers; Social problems; *also* Civil service reform, Prisons, and other subjects of reform

Reform schools *see* Reformatories

**Reformation**

*See also* Catholic church — History; Church history; Counter-reformation; Husites; Protestantism; Reformers; Thirty years' war; *also* names of countries and churches

**—France**

*See also* France — History — House of Valois; France — Religious history; Huguenots; Waldenses

**—Germany**

*See also* Anabaptists; Germany — History — 1517–1740; Germany — Religious history; Lutheran church; Peasants' war

**—Scotland**

*See also* Church of Scotland; Covenanters; Scotland — Religious history

**—Spain**

*See also* Inquisition; Spain — History — 1479–1700; Spain — Religious history

**Reformatories**

*See also* Juvenile courts; Prisons; Probation system

**Reformed church in America [Dutch]**

Reformed Dutch church in America *see* Reformed church in America

**Reformers**

*See also* Reformation

**Refraction**

*See also* Astronomy, Spherical and practical; Light

**Refrigeration and refrigerating machinery**

*See also* Cold storage; Ice; Ice — Manufacture; Liquid air

*Refer from* Bibliography; Books; Books and reading; Libraries

*Refer from* Constitutional law; Democracy; Direct legislation (s); Government; Initiative (s); Legislation; Legislation, Direct (s); Municipal government; Recall; Representative government and representation

*Refer from* Light; Optical instruments

*Refer from* Progress; Social problems; Social reform (s)

*Refer from* Catholic church — History; Christianity; Church history; Church history — Reformation (s); Church history — Modern; Counter-reformation; History, Modern; Protestant reformation (s); Protestantism; Reformers

*Refer from* France — History — House of Valois; France — Religious history; Huguenots; Waldenses

*Refer from* Germany — History — 1517–1740; Germany — Religious history; Lutheran church; Peasants' war

*Refer from* Church of Scotland; Covenanters; Scotland — Religious history

*Refer from* Inquisition; Spain — History — 1479–1700; Spain — Religious history

*Refer from* Crime and criminals; Education; Industrial schools (s); Juvenile delinquency; Juvenile reformatories (s); Penal institutions (s); Prisons; Punishment; Reform schools (s)

*Refer from* Dutch reformed church (s); Reformed Dutch church in America (s); Sects

*Refer from* Biography; Christian biography; Reform; Reformation

*Refer from* Astronomy, Spherical and practical; Dioptrics (s); Light

*Refer from* Cold storage; Cooling appliances (s); Food preservation and preservatives; Freezing (s); Frost; Ice; Ice — Manufacture; Ice machinery (s); Machinery; Refrigerators (s)



Refrigerators *see* Cold storage; Refrigeration and refrigerating machinery

**Refuse and refuse disposal**

*See also* Sewage; Street cleaning; Waste products; Water pollution

*Refer from* Disposal of refuse (s); Factory waste (s); Garbage (s); Hygiene, Public; Municipal engineering; Municipal improvement; Sanitary chemistry; Sanitary engineering; Sanitation; Street cleaning; Trades waste (s); Waste, Disposal of (s); Waste products

**Regalia**

*See also* Church vestments; Costume; Crowns; Insignia

Regattas *see* Rowing; Sailing; Yachts and yachting

**Regency**

**Regeneration (biology)**

*See also* Biology; Cells

*Refer from* Costume; Insignia

*Refer from* Government; Monarchy

*Refer from* Biology; Cells; Growth; Reproduction

**Regeneration (theology)**

*See also* Baptism; Conversion; Salvation

*Refer from* Baptism; Conversion; Salvation; Theology

**Regicides**

*See also* Charles I, king of England; England — History — Stuarts; England — History — Civil war and commonwealth

Regimental histories. For regiments of regular armies *see* under various countries, e.g. U.S. — Army — 25th infantry; for state volunteer regiments and militia *see* under states, e.g. New York artillery — 9th regiment; for volunteer regiments recruited at large *see* under country, e.g. United States volunteer infantry — 2d regiment; *also* names by which regiments are known, e.g. Rough Riders

*Refer from* Biography; Crime and criminals; England — History — Stuarts; England — History — Civil war and commonwealth

**Registers**

*See also* Almanacs; Yearbooks [for annual registers]; *also* names of places, religious denominations, etc.

Registers of births, marriages and deaths *see* Vital records

Registration laws *see* Election laws

Reign of terror *see* French revolution

Reincarnation *see* Preëxistence; Transmigration

**Reindeer**

*See also* Ungulata

Reinforced concrete *see* Concrete, Reinforced

Relationship *see* Consanguinity

Relaxation *see* Amusements; Rest

**Relics**

*See also* Miracles; Saints; Shrines

*Refer from* Deer; Ungulata

Relief work *see* Battlefield relief; Charities;

Disasters; Famines; First aid in illness and injury; Outdoor relief; Red cross

*Refer from* Christian antiquities; Miracles; Shrines; Superstition

**Religion**

For the Christian doctrines *see* Theology; for evidences *see* Christianity — Evidences; *See also* Allegories; Atheism; Authority (in religion); Belief; Bible; Christianity; Conscience; Consolation; Deism; Devotional exercises; Ecstasy; Ethics; Evil; Faith; Fanaticism; Fasts and feasts; Free religion; Future life; God; Hymns; Idolatry; Jesus Christ; Miracles; Missions; Monasticism;

*Refer from* Christianity; Ethics; Faith; God; Man; Natural religion; Philosophy; Revelation; Sociology; Supernatural; Theology



**Religion — Continued**

Mysteries (religious); Mysticism; Mythology; Natural religion; Oracles; Paganism; Pantheism; Philosophy; Positivism; Prayer; Rationalism; Religion and ethics; Religion and science; Religion of the future; Religions; Religious education; Religious liberty; Religious literature; Religious orders; Religious poetry; Repentance; Revelation; Revivals; Ritualism; Sacraments; Sacrilege; Sacrifice; Saints; Sects; Secularism; Sermons; Sin; Skepticism; Spiritual life; Sunday; Supernatural; Superstition; Symbolism; Theism; Theosophy; Totems and totemism; Worship; *also* headings beginning Christian and Church, and names of countries, subhead Religion or Religious history

—Personal, *see* Christian life and character; Spiritual life

**—Philosophy**

Religion and education *see* Church and education

**Religion and ethics**

Religion and evolution *see* Religion and science

Religion and medicine *see* Medicine and religion

**Religion and science**

*See also* Bible and science; Creation; Evolution; Modernism; Natural religion

Religion and sociology *see* Christian sociology; Social ethics

Religion and the public schools *see* Public schools and religion

Religion of humanity *see* Positivism

**Religion of the future****Religions**

*See also* Babism; Brahmanism; Buddhism; Christianity; Christianity and other religions; Confucianism; Dervishes; Druids; Druses; Hinduism; Idolatry; Indians — Religion; Jews — Religion; Lamaism; Mohammedanism; Mormons and Mormonism; Mythology; Nagualism; Parsees; Polytheism; Rosicrucians; Sacred books; Sects; Shinto; Sikhs; Spiritualism; Taoism; Theosophy; Worship; Zoroastrianism; *also* names of non-Christian countries, subhead Religion

Religious anecdotes *see* Anecdotes, Religious

Religious art *see* Christian art and symbolism; Church architecture; Temples

Religious authority *see* Authority (in religion)

Religious belief *see* Belief; Faith

Religious biography *see* Christian biography

Religious ceremonies *see* Rites and ceremonies

Religious denominations *see* Sects

**Religious education**

*See also* Bible — Study and teaching; Bible in the schools; Church and education; Church schools; Moral education; Public

*Refer from* Philosophy of religion (s)

*Refer from* Ethics; Ethics and religion (s); Religion

*Refer from* Bible; Bible and science; Christianity — Evidences; Christianity and science (s); Creation; Evolution; Natural religion; Philosophy; Religion; Religion and evolution (s); Science; Science and religion (s); Theology

*Refer from* Future religion (s); Religion

*Refer from* Belief; Civilization; Comparative religion (s); Mythology; Polytheism; Religion; Religious history (s); Superstition

*Refer from* Christian education (s); Christian life and character; Church and education; Education; Education, Religious (s); Moral





schools and religion; Sunday schools; Theology — Study and teaching

Religious experience *see* Christian life and character; Conversion; Spiritual life  
Religious festivals *see* Fasts and feasts; Festivals

Religious history *see* Church history; Religions; *also* names of countries and cities, subhead Religious history

#### **Religious liberty**

*See also* Catholic emancipation; Church and state; Free religion; Free thought; Liberty; Liberty of conscience; Persecution

#### **Religious literature**

*See also* Anecdotes, Religious; Catholic literature; Religious poetry

Religious mysteries *see* Mysteries (religious)

#### **Religious orders**

*See also* Brotherhoods; Chivalry; Monasticism; Nuns; Sisterhoods; *also* names of orders, e.g. Franciscans; Jesuits; Malta, Knights of; Templars; Teutonic knights

#### **Religious poetry**

*See also* Hymns

Religious services *see* Church services; Devotional exercises; Liturgies; Worship

Remedies (in medicine) *see* Materia medica; Therapeutics

#### **Renaissance**

*See also* Architecture, Renaissance; Art, Renaissance; Fifteenth century; Humanism; Middle ages

Renaissance architecture *see* Architecture, Renaissance

Renaissance art *see* Art, Renaissance

Renaissance *see* Renaissance

#### **Rent**

*See also* Economics; Eviction; Land; Landlord and tenant

Repair shops, Railroad, *see* Railroads — Shops  
Repairing *see* Mending and repairing

#### **Repentance**

*See also* Confession; Conversion; Penance

#### **Reporting**

*See also* Journalism; Shorthand; War correspondence

#### **Repoussé work**

*See also* Arts and crafts; Metal work

Representation *see* Proportional representation; Representative government and representation

#### **Representative government and representation**

*See also* Boroughs; Cabinet system; Constitutional law; Democracy; Elections; Gerrymander; Legislative bodies; Nominations; Proportional representation; Referendum; Republics; Suffrage

education; Religion; Sunday schools; Theology — Study and teaching

*Refer from* Catholic church; Church and state; Church history; Free thought; Government; Intolerance (s); Liberty; Liberty of conscience; Persecution; Private judgment; Religion; Toleration (s)

*Refer from* Literature; Religion

*Refer from* Brotherhoods; Catholic church; Catholic church — Orders (s); Church history; Church polity; Convents and nunneries; Monastic orders (s); Monasticism; Nuns; Orders, Religious (s); Religion; Sisterhoods

*Refer from* Hymns; Poetry; Religion; Religious literature; Sacred poetry (s)

*Refer from* Art, Renaissance; Civilization; Fifteenth century; History, Modern; Humanism; Literature; Middle ages; Renaissance (s); Revival of letters (s)

*Refer from* Cost of living; Economics; House rent (s); Land; Land tenure; Landlord and tenant; Law; Property; Real estate

*Refer from* Conversion; Penance; Penitence (s); Religion; Sin; Theology

*Refer from* Correspondence (s); Interviewing (s); Journalism; Newspaper work (s); Newspapers

*Refer from* Arts and crafts; Metal work

*Refer from* Boroughs; Constitutional law; Constitutions; Democracy; Elections; Free institutions; Government; Proportional representation; Representation (s); Republics; Self-government (s); Suffrage; Voting (s)

- Reading  
- Lenses - Canada  
- ...  
- ...

**Reproduction**

*See also* Biology; Embryology; Fecundity; Parthenogenesis; Regeneration (biology); Spontaneous generation

**Reptiles**

*See also* Amphibia; Snakes; Vertebrates

**—Fossil****—U. S.**

*Refer from* Biology; Embryology; Fecundity; Generation (s); Spontaneous generation; Zoology

*Refer from* Amphibia; Herpetology (s); Snakes; Vertebrates

*Refer from* Fossil reptiles (s); Paleontology

*Refer from* U. S.—Herpetology (s); U. S.—Reptiles (s); Zoology — U. S.

**Republican party**

*See also* Free soil party; U. S.—Politics

**Republics**

*See also* Democracy; Federal government; Government; Representative government and representation; *also* names of republics

*Refer from* Political parties; U. S.—Politics

*Refer from* Constitutional law; Democracy; Federal government; Free institutions; Government; Presidential government (s); Representative government and representation

**Repudiation**

*See also* Debts, Public

**Research**

*See also* Laboratories; Medical research; Psychical research; Scientific research; Seminary method

Reservations for the Indians *see* Indians — Reservations

**Reservoirs**

*See also* Dams; Irrigation; Water supply

*Refer from* Debts, Public; Finance; Loans

*Refer from* Colleges and universities; Education; Education and state; Scientific research; Seminary method; Study

*Refer from* Dams; Hydraulic engineering; Irrigation; Water supply

*Refer from* Affliction; Ethics

Residences *see* Architecture, Domestic

**Resignation**

Resins *see* Gums and resins

Resistance, Electric, *see* Electric resistance

Resistance of materials *see* Strength of materials

Resorts *see* Health resorts; Summer resorts; Winter resorts

Resources *see* Natural resources; Conservation of resources; *also* names of countries, sub-head Industries and resources

Respiration *see* Breathing

**Respiratory organs**

*See also* Anatomy; Breathing; Lungs; Nose; Physiology; Throat

**—Diseases**

*See also* Asthma; Bronchitis; Catarrh; Cold (disease); Cough; Croup; Hay fever; Influenza; Pneumonia; Tuberculosis

*Refer from* Air passages (s); Anatomy; Breathing; Chest; Lungs; Nose; Physiology

*Refer from* Asthma; Bronchitis; Catarrh; Cold (disease); Cough; Croup; Hay fever; Influenza; Medicine — Practice; Pneumonia; Tuberculosis

**Responsive worship**

*See also* Liturgies; Ritualism

*Refer from* Church services; Devotional exercises; Liturgies; Prayer; Worship

**Rest**

*See also* Fatigue; Sleep

*Refer from* Fatigue; Hygiene; Mental hygiene; Nervous system; Overwork; Relaxation (s); Therapeutics

**Restaurants**

*See also* Catering; Hotels; Waiters

**Restraint of trade**

*See also* Combination, Industrial; Interstate commerce; Labor unions; Monopolies; Police power; Trusts

*Refer from* Cafés (s); Hotels

*Refer from* Combination, Industrial; Commerce; Interstate commerce; Labor unions; Law; Monopolies; Police power; Trusts

Resumption of specie payment *see* Money — U. S.; Silver (as money)

**Resurrection**

*See also* Eschatology; Future life; Jesus Christ — Resurrection and ascension

*Refer from* Death; Eschatology; Future life; Theology

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Retaining walls *see* Walls  
Retouching *see* Photography  
Retribution *see* Future life; Future punishment; Hell; Punishment; Purgatory

**Revelation**

*See also* Apocalyptic literature; Bible; Christianity; Inspiration; Religion; Theology

Revenue *see* Finance; Tariff; Taxation; *also* names of countries, subhead Revenue

Reviews *see* Book reviews

Revision of the Bible *see* Bible — Revision

Revival of letters *see* Renaissance

**Revivals**

*See also* Camp meetings; Conversion; Evangelistic work; Keswick movement; Prayer meetings

Revolutionary war (U. S.) *see* U. S. — History — Revolution

**Revolutions**

*See also* French revolution; Rebellion; *also* under various countries, e.g. France — History — Revolution of 1848; Germany — History — Revolution, 1848-1849; U. S. — History — Revolution

Revolvers *see* Pistols

**Rewards (prizes, etc.)**

*See also* Bounties; Nobel prizes; Prizes (international law)

Rhaeto-Romanic language *see* Romansch language

**Rheostats**

*See also* Electric controllers; Electric resistance

**Rhetoric**

*See also* Allegory; Alliteration; Analogy; Composition (English); Conversation; Criticism; Descriptive writing; Drama; Editorials; Elocution; Eloquence; Esthetics; Irony; Lectures and lecturing; Letter writing; Metaphor; Onomatopoeia; Oratory; Poetry; Preaching; Précis writing; Prose; Punctuation; Satire; Translation; Versification

Rheto-Romanic language *see* Romansch language

**Rheumatism**

Rhodes scholarships, Oxford university

**Rhyme**

*See also* Prosody

**Rhythm**

*See also* Meter

**Rice**

Riches *see* Wealth

**Riddles**

*See also* Charades; Puzzles

Riding *see* Coaches and coaching; Driving; Horsemanship

**Rifle practice**

*See also* Target practice

*Refer from* Apocalyptic literature; Bible; Inspiration; Religion; Theology

*Refer from* Christian life and character; Church history; Church work; Conversion; Evangelistic work; Missions; Religion; Theology

*Refer from* Government; History; Rebellion

*Refer from* Compensation (s); Prizes (s)

*Refer from* Electric apparatus and appliances; Electric controllers; Electric resistance; Electric rheostats (s)

*Refer from* Allegory; Alliteration; Composition (English); Composition (rhetoric) (s); Criticism; Descriptive writing; Elocution; English composition (s); Expression; Figures of speech (s); Language; Lectures and lecturing; Letter writing; Literature; Metaphor; Oratory; Prose; Speaking (s); Style, Literary (s); Theme-writing (s); Words; Writing

*Refer from* Medicine — Practice

*Refer from* Oxford university; Scholarships

*Refer from* English language — Rhymes (s); Poetry; Prosody; Rime (s); Versification

*Refer from* Esthetics; Meter; Music; Poetry; Prosody; Versification

*Refer from* Agricultural products; Agriculture — Tropics; Grain

*Refer from* Amusements; Conundrums (s); Enigmas (s); Literature; Puzzles

*Refer from* Gunnery; Infantry drill and tactics; Military art and science; Rifles; Shooting; Target practice



**Rifles**

*See also* Firearms; Guns; Rifle practice; Shooting

Right and wrong *see* Ethics

Right-handedness *see* Left- and right-handedness

Right of assembly *see* Assembly, Right of

Right of petition *see* Petition, Right of

Right of sanctuary *see* Asylum, Right of

Right of search *see* Search, Right of

Righthandedness *see* Left- and right-handedness

Rights, Civil, *see* Civil rights

Rights of women *see* Woman suffrage; Women — Law; Women — Social condition

Rime *see* Rhyme

Ringing *see* Bells; Chimes and chiming

**Rings**

*See also* Jewelry

**Riots**

*See also* Draft riot, 1863; Lynch law; Strikes and lockouts

**Riparian rights**

*See also* Water rights

**Rites and ceremonies**

*See also* Baptism; Canonization; Christian antiquities; Church dedication; Confirmation; Coronations; Fasts and feasts; Fire walk; Flute ceremonies; Funeral rites and ceremonies; Hymns; Inaugurations; Indians — Religion; Liturgies; Manners and customs; Marriage; Marriage customs and rites; Mass; Mysteries (religious); Ordination; Prayers; Ritualism; Sacraments; Totems and totemism; Worship

Ritual *see* Liturgies; Rites and ceremonies;

Ritualism; *also* names of churches, subhead Liturgy and ritual

**Ritualism**

*See also* Catholic church — Liturgy and ritual; Church of England — Liturgy and ritual; Protestant Episcopal church in the U. S. — Liturgy and ritual; Rites and ceremonies; Worship

**Rivers**

*See also* Dams; Deltas; Embankments; Erosion; Floods; Hydraulic engineering; Hydraulics; Hydrography; Inland navigation; Physical geography; Riparian rights; Valleys; Water pollution; Water power; Waterways

— U. S.

*See also* Waterways — U. S.

**Riviera**

*See also* France — Description and travel; Italy — Description and travel; Monaco; Provence

Road, Rule of the, *see* Rule of the road

Road engines *see* Traction engines

**Road maps**

*Refer from* Arms and armor; Carbines (s); Firearms; Guns; Shooting

*Refer from* Finger rings (s); Jewelry

*Refer from* Crime and criminals; Crowds; Government; History; Mobs (s); Strikes and lockouts

*Refer from* Land tenure; Law; Littoral rights (s); Real estate; Rivers; Water rights; Waterways

*Refer from* Ceremonies (s); Christian antiquities; Christian art and symbolism; Church ceremonies (s); Church polity; Ecclesiastical ceremonies (s); Liturgies; Manners and customs; Religious ceremonies (s); Ritual (s); Ritualism; Worship

*Refer from* Catholic church; Catholic church — Liturgy and ritual; Church of England; Church of England — Liturgy and ritual; Church polity; Liturgies; Prayer; Protestant Episcopal church in the U. S.; Religion; Responsive worship; Rites and ceremonies; Ritual (s); Worship

*Refer from* Civil engineering; Engineering; Floods; Hydraulic engineering; Hydraulics; Hydrography; Inland navigation; Physical geography; Streams (s); Valleys; Water; Waterways

*Refer from* U. S. — Rivers (s); Waterways — U. S.

*Refer from* France — Description and travel; Italy — Description and travel; Monaco; Provence; Winter resorts

*Refer from* Maps; Roads





## ✓ Roads

*See also* Civil engineering; Dust; Eminent domain; Indian trails; Pavements; Portages; Railroads; Railroads — Crossings; Road maps; Sidewalks; Street cleaning; Street railroads; Streets

### —Macadamized

### —Roman

### —U. S.

*See also* Cumberland road; Indian trails; Oregon trail; Salt Lake trail; Santa Fe trail; Wilderness road

Robbers *see* Brigands and robbers

### Robins

*See also* Birds

Rochdale system *see* Cooperation

Rock *see* Rocks

### Rock drills

*See also* Boring; Mining machinery

Rock tombs *see* Tombs

### Rocks

*See also* Geochemistry; Geodes; Geology; Granite; Igneous rocks; Limestone; Mineralogy; Sandstone; Slate; Stone

Rod, The, *see* Corporal punishment; Flogging

### Rodents

*See also* Hares; Mammals; Mice; Rabbits; Rats

Roentgen rays *see* X rays

### Roller-skating

### Rolling mills

*See also* Iron industry; Steel industry

Rolling stock *see* Railroads — Rolling stock

Romaic language *see* Greek language (modern)

Romaic literature *see* Greek literature (modern)

Roman Campagna *see* Campagna di Roma

Roman Catholic church *see* Catholic church

### Roman emperors

*See also* Rome — History — Empire

Roman law *see* Civil law

Roman literature *see* Latin literature

Roman mythology *see* Mythology, Classical

Roman roads *see* Roads, Roman

Romance *see* Fiction; Romances

### Romance languages

*See also* Aryan languages; French language; Italian language; Portuguese language; Provençal language; Romansch language; Rumanian language; Spanish language

### Romance literature

*See also* French literature; Italian literature; Portuguese literature; Spanish literature

### Romances

*See also* Arthurian romances; Charlemagne — Romances; English metrical romances; Fiction; Legends; Poetry

*Refer from* Civil engineering; Coaches and coaching; Eminent domain; Engineering; Highways (s); Pavements; Streets; Thoroughfares (s); Transportation; Turnpikes (s)

*Refer from* Macadamized roads (s); Pavements

*Refer from* Roads — England; Roads — France; Roads — Italy; Roman roads (s)

*Refer from* U. S. — Roads (s)

*Refer from* Birds

*Refer from* Boring; Diamond drilling (s); Excavating machinery; Mining engineering; Mining machinery

*Refer from* Chemical geology (s); Geochemistry; Geology; Granite; Igneous rocks; Lithology (s); Metamorphic rocks (s); Mineralogy; Petrography (s); Petrology (s); Rock (s); Sedimentary rocks (s); Stone

*Refer from* Hares; Mammals; Mice; Rabbits; Rats

*Refer from* Skating; Sports

*Refer from* Iron industry; Mills and millwork; Steel industry

*Refer from* Caesars (s); Emperors; Rome — History — Empire

*Refer from* Aryan languages; French language; Italian language; Language; Latin language; Neo-Latin languages (s); Portuguese language; Provençal language; Romansch language; Rumanian language; Spanish language

*Refer from* French literature; Italian literature; Literature; Portuguese literature; Spanish literature

*Refer from* Chivalry; Epic poetry; Fiction; Folklore; German literature; German romances (s); Legends; Literature; Romance (s); Stories (s)



Romanism *see* Catholic church

**Romansch language**

*See also* Romance languages

**Romanticism**

*See also* Classicism

**Romany language**

Romaunsch language *see* Romansch language

**Rome — History**

—— **Kings, B. C. 753-510**

—— **Republic, B. C. 510-30**

*See also* Gallic wars; Punic wars

—— **Empire, B. C. 30-A. D. 476**

*See also* Barbarian invasions of Rome;

Byzantine empire; Roman emperors

Romany language *see* Romany language

**Rood screens**

**Roofs**

*See also* Arches; Architecture; Building; Ceilings; Domes; Gables; Girders; Graphic statics; Scaffolding; Skylights; Slate; Steel construction; Strains and stresses; Trusses; Vaulting

**Root crops**

*See also* Vegetables

**Roots**

*See also* Botany, Structural; Root crops

**Rope**

*See also* Cables; Cordage; Hemp; Knots and splices; Rope driving; Wire

**Rope driving**

*See also* Belting; Power transmission; Pulleys

Ropeways *see* Cableways

**Rosary**

Rose *see* Roses

**Roses**

*See also* Floriculture

Roses, Wars of the, *see* Wars of the Roses

**Rosetta stone**

**Rosicrucians**

*See also* Mysticism

Rosin *see* Gums and resins

Rosy cross, Order of the, *see* Rosicrucians

**Rotation**

*See also* Dynamics; Earth — Rotation; Gyroscope; Rotation of crops

**Rotation of crops**

*See also* Agriculture; Pastures and meadows

Rotation of the earth *see* Earth — Rotation

**Rough Riders**

*See also* U. S.—History — War with Spain

Roumanian language *see* Rumanian language

*Refer from* Rhaeto-Romanic language (s); Rheto-Romanic language (s); Romance languages; Romaunsch language (s)

*Refer from* Classicism; Esthetics; Idealism in art; Idealism in literature; Literature

*Refer from* Gipsy language (s); Gypsy language (s); Indo-Aryan languages; Rommany language (s)

*Refer from* Gallic wars; Punic wars

*Refer from* Barbarian invasions of Rome; Roman emperors

*Refer from* Church decoration and ornament; Church furniture

*Refer from* Architecture; Building; Carpentry; Domes; Gables; Girders; Graphic statics; Steel construction; Strains and stresses; Trusses

*Refer from* Agricultural products; Crops; Feeding and feeding stuffs; Roots; Vegetables

*Refer from* Botany — Physiology; Botany, Structural; Plants

*Refer from* Cables; Cordage; Hemp; Hoisting machinery; Manufactures

*Refer from* Belting; Power transmission; Pulleys; Rope

*Refer from* Beads; Catholic church; Prayers

*Refer from* Floriculture; Flowers; Rose (s)

*Refer from* Egypt — Antiquities; Hieroglyphics

*Refer from* Mysticism; Order of the Rosy cross (s); Religions; Rosy cross, Order of the (s); Secret societies

*Refer from* Dynamics; Motion; Physics

*Refer from* Agriculture; Crop rotation (s); Crops; Farm management; Rotation; Soil fertility

*Refer from* U. S.—History — War with Spain; United States volunteer cavalry



Round Table *see* Arthurian romances

**Round towers**

*See also* Ireland — Antiquities

**Rowing**

*See also* Aquatic sports; Boats and boating; Canoes and canoeing; College athletics

**Royal descent, Families of**

Royal supremacy (Church of England) *see* Church of England — Royal supremacy

Royalty *see* Kings and rulers; Monarchy; Princes and princesses; Queens and empresses

**Rubber**

*See also* Gutta-percha

Rubber tires *see* Tires

**Rugs**

*See also* Carpets; House decoration

Ruins *see* Archaeology

**Rule of the road**

Rulers *see* Kings and rulers; *also* Emperors; Monarchy; Popes; Presidents; Queens and empresses

Rules of order *see* Parliamentary practice

**Rumanian language**

*See also* Romance languages

**Runes**

**Running**

*See also* Track athletics; Walking

Rural architecture *see* Architecture, Domestic; Bungalows; Cottages; Country houses; Farm buildings; Landscape gardening

Rural economy *see* Agriculture

**Rural free delivery**

*See also* Postal service — U. S.

Rural life *see* Country life; Farm life; Outdoor life

Rural poetry *see* Pastoral poetry

Rural schools *see* Country schools

Russian church *see* Greek church

**Russian language**

*See also* Slavic languages

**Russian literature**

*See also* Slavic literature

**Russians in the U. S.**

*See also* Slavs in the U. S.

**Russo-Japanese war, 1904-1905**

*See also* Japan — History; Russia — History

Russo-Turkish war, 1853-1856, *see* Crimean war

*Refer from* Archaeology; Ireland — Antiquities; Towers

*Refer from* Aquatic sports; Athletics; Boats and boating; College athletics; Locomotion; Navigation; Oarsmanship (s); Racing (s); Regattas (s); Sculling (s); Sports

*Refer from* Genealogy; Kings and rulers

*Refer from* Agricultural products; Agriculture — Tropics; Caoutchouc (s); Chemistry, Technical; Forest products; Gutta-percha; India-rubber (s); Indiarubber (s); Manufactures

*Refer from* Arts and crafts; Carpets; Domestic arts; Floors; House decoration; Textile industry and fabrics; Weaving

*Refer from* Collisions at sea; Navigation; Road, Rule of the (s)

*Refer from* Romance languages; Roumanian language (s)

*Refer from* Alphabet; Germanic languages; Inscriptions

*Refer from* Animal locomotion; Athletics; Cross-country running (s); Exercise; Foot-racing (s); Locomotion; Physical education; Racing (s); Sports; Track athletics; Walking

*Refer from* Postal service; Postal service — U. S.

*Refer from* Slavic languages

*Refer from* Slavic literature

*Refer from* Slavs in the U. S.; U. S.— Foreign population

*Refer from* Eastern question (Far East); Japan — History; Russia — History

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**Russo-Turkish war, 1877-1878**

*See also* Russia — History; Turkey — History

**Rust** *see* Corrosion and anti-corrosives

**Rustic woodwork**

*See also* Garden ornaments and furniture

**Rustless coatings** *see* Corrosion and anti-corrosives

**Rye House plot**

*See also* England — History — Stuarts

**Sabbatarians** *see* Seventh-day Baptists

**Sabbath** *see* Sabbath, Jewish; Sunday

**Sabbath, Jewish**

**Saber** *see* Swords

**Sabre** *see* Swords

**Sacraments**

*See also* Baptism; Confirmation; Lord's supper; Marriage; Ordination; Penance; Unction

**Sacred art** *see* Christian art and symbolism

**Sacred books**

*See also* Avesta; Bible; Eddas; Koran; Talmud; Vedas

**Sacred history** *see* Bible — History; Church history

**Sacred music** *see* Church music; Oratorios

**Sacred poetry** *see* Hymns; Religious poetry

**Sacrifice**

*See also* Altars; Atonement

**Sacrilege**

**Saddlery** *see* Harness

**Safes**

*See also* Vaults

**Safety devices**

*See also* Air brakes; Brakes; Car couplings; Employers' liability; Lightning conductors; Railroads — Signals; Safety lamps; Safety valves

**Safety lamps**

*See also* Mine accidents; Mine fires

**Safety valves**

*See also* Boilers; Steam engines; Valves and valve gears

**Sagas**

*See also* Eddas; Folklore; Icelandic literature; Scandinavian literature

**Sailing**

*See also* Aquatic sports; Boats and boating; Canoes and canoeing; Navigation; Skipjacks; Yachts and yachting

**Sailing directions** *see* Pilot guides

**Sailors**

*See also* Impressment; Missions — Seamen; Naval biography; Pilots and pilotage; Sea stories; Seafaring life

**Sailors' missions** *see* Missions — Seamen

*Refer from* Eastern question (Near East); Russia — History; Turco-Russian war (s); Turkey — History; Turko-Russian war (s)

*Refer from* Carpentry; Garden ornaments and furniture; Landscape gardening

*Refer from* England — History — Stuarts

*Refer from* Jews; Jews — Religion; Sabbath (s)

*Refer from* Baptism; Catholic church; Church of England; Church polity; Lord's supper; Protestant Episcopal church in the U. S.; Religion; Rites and ceremonies; Theology; Worship

*Refer from* Literature; Religions

*Refer from* Altars; Human sacrifice (s); Religion; Theology; Worship

*Refer from* Desecration (s); Profanation (s); Religion

*Refer from* Vaults

*Refer from* Accidents; Air brakes; Brakes; Employers' liability; Life-saving; Occupations, Dangerous; Railroads; Railroads — Accidents; Railroads — Equipment and supplies; Railroads — Safety devices (s)

*Refer from* Explosions; Lamps; Mine accidents; Mine fires; Safety devices

*Refer from* Boilers; Safety devices; Steam engines; Valves and valve gears

*Refer from* Eddas; Folklore; Icelandic literature; Legends; Literature; Mythology, Norse; Northmen; Scandinavian literature

*Refer from* Aquatic sports; Boats and boating; Locomotion; Navigation; Regattas (s); Ships; Sports; Yachts and yachting

*Refer from* Naval biography; Navigation; Ocean; Ocean travel; Seafaring life; Seamen (s); Ships; Voyages and travels





**Sailors' songs**

**Sails**

St. Augustine, Order of, *see* Augustinians

**St. Bartholomew's day, Massacre of**

*See also* France — History — House of Valois; Huguenots

St. John of Jerusalem, Order of, *see* Malta, Knights of

St. Valentine's day *see* Valentine's day

**Saints**

*See also* Apostles; Bible — Biography; Canonization; Fathers of the church; Legends; Martyrs; Saints in art; Shrines

**Saints in art**

*See also* Christian art and symbolism

**Salads**

*See also* Cookery; Sauces

**Salaries**

*See also* Income; Teachers — Salaries, pensions, etc.; Wages

**Sale**

*See also* Auctions; Commercial law; Conveyancing; Land titles

**7 Salesmanship**

*See also* Advertising; Business; Commercial travelers

Salesmen, Traveling, *see* Commercial travelers

**Salic law**

**Salmon**

*See also* Fish; Trout

**Salons**

*See also* Précieuses

Saloons *see* Liquor problem; Liquor traffic; Temperance

**Salt**

*See also* Condiments; Geology, Economic; Sea water

**Salt Lake trail**

**Salts**

*See also* Chemistry

**Salutations**

**Salvage**

*See also* Maritime law; Wrecking

**Salvation**

*See also* Atonement; Conversion; Future life; Grace (theology); Infant salvation; Justification; Predestination; Regeneration (theology); Sanctification; Soul; Universalism

**Salvation army**

*See also* Farm colonies

*Refer from* Chanteys (s); Chanties (s); Songs

*Refer from* Ships

*Refer from* Bartholomew, St., Massacre of (s); France — History — House of Valois; France — Religious history; Huguenots; Massacres

*Refer from* Apostles; Bible; Bible — Biography; Canonization; Catholic church; Catholic church — Biography; Christian biography; Fathers of the church; Heroes; Legends; Martyrs; Miracles; Relics; Religion

*Refer from* Christian art and symbolism; Iconography (s); Saints

*Refer from* Cookery

*Refer from* Compensation (s); Economics; Income; Prices; Wages

*Refer from* Commercial law; Contracts; Land titles; Law; Personal property; Property; Real estate; Selling (s); Vendors (s)

*Refer from* Advertising; Business; Commerce; Commercial travelers; Peddlers and peddling; Selling (s)

*Refer from* France — Law; Inheritance; Law; Property; Women — Law

*Refer from* Fish; Fishing; Trout

*Refer from* French salons (s); Précieuses; Society; Women in France

*Refer from* Condiments; Geology, Economic; Mines and mineral resources

*Refer from* Indian trails; Roads — U. S.; Trails (s); Western states

*Refer from* Chemistry

*Refer from* Etiquet; Greetings (s); Manners and customs

*Refer from* Admiralty; Collisions at sea; Insurance, Marine; International law; Maritime law; Prizes (international law); Shipping; Shipwrecks; Wrecking

*Refer from* Conversion; Future life; Jesus Christ; Predestination; Redemption (s); Regeneration (theology); Sin; Soteriology (s); Theology

*Refer from* Charities; Evangelistic work; Sects

San Francisco  
→ San Domingo

**Samplers**

**San José scale**

*See also* Scale insects

**Sanatoriums**

*See also* Convalescent homes; Health resorts; Hospitals

**Sanctification**

*See also* Christian life and character

**Sanctuary** *see* Asylum, Right of

**Sand dunes** *see* Dunes

**Sandemanians**

**Sandstone**

*See also* Building stones

**Sandwiches**

**Sangreal** *see* Grail

**Sanitariums** *see* Sanatoriums

**Sanitary affairs** *see* Hygiene, Public; Sanitation; *also* names of countries and cities, subhead Sanitary affairs

**Sanitary chemistry**

*See also* Adulterations; Air pollution; Chemistry, Household; Cleaning; Food — Analysis; Food adulteration and inspection; Refuse and refuse disposal; Sewage; Smoke; Water — Analysis; Water — Purification; Water pollution

**Sanitary engineering**

*See also* Filters and filtration; Heating; Hygiene, Public; Municipal engineering; Plumbing; Public comfort stations; Refuse and refuse disposal; Sanitation; Sewage; Sewerage; Street cleaning; Ventilation; Water — Purification; Water supply; *also* names of countries and cities, subhead Sanitary affairs

**Sanitary science** *see* Hygiene; Sanitary engineering; Sanitation

**Sanitation**

*See also* Cemeteries; Cleanliness; Disinfection and disinfectants; Hygiene; Hygiene, Public; Military hygiene; Naval hygiene; Refuse and refuse disposal; Sanitary chemistry; Sanitary engineering; Sanitation, Household; School hygiene; Sewage; Sewerage; Smoke; Ventilation; Water — Purification; Water supply; *also* names of countries and cities, subhead Sanitary affairs

**Household**

*See also* Chemistry, Household; Heating; House cleaning; Plumbing; Ventilation

**Sanskrit** *see* Sanskrit

**Sanskrit language**

*See also* Indo-Aryan languages

**Sanskrit literature**

*See also* Hindu literature; Oriental literature; Vedas

**Santa Claus**

*See also* Christmas

*Refer from* Needlework

*Refer from* Chinese scale (s); Insects, Injurious and beneficial; Scale insects

*Refer from* Health resorts; Hospitals; Medicine; Mineral waters; Sanitariums (s)

*Refer from* Christian life and character; Christian perfection (s); Holiness (s); Perfection, Christian (s); Salvation; Spiritual life; Theology

*Refer from* Glassites (s); Sects

*Refer from* Building stones; Rocks; Stone

*Refer from* Cookery; Luncheons

*Refer from* Chemistry; Chemistry, Household; Chemistry, Sanitary (s); Sanitation

*Refer from* Architecture; Building; Civil engineering; Engineering; Engineering, Sanitary (s); Hygiene, Public; Municipal engineering; Municipal improvement; Plumbing; Sanitary science (s); Sanitation; Sewerage

*Refer from* Cleanliness; Hygiene; Hygiene, Public; Sanitary affairs (s); Sanitary engineering; Sanitary science (s)

*Refer from* Chemistry, Household; Domestic hygiene (s); Home economics; House drainage (s); House sanitation (s); Household sanitation (s); Housing problem; Hygiene, Domestic (s); Plumbing; Sanitation

*Refer from* Indo-Aryan languages

*Refer from* Hindu literature; Oriental literature

*Refer from* Christmas; Nicholas, St.

✓ Savings banks - Austria  
 " " France  
 " " Germany  
 " " Great Britain  
 " " Mexico  
 " " New Zealand

✓ Savings banks - U.S.  
 (organization)

- " - U.S. Accounting & Auditing
- " - U.S. Administration
- " - C - Amortization
- " - Currencies
- " - Examination
- " - Failures
- " - Insurance
- " - Investments
- " - Law
- " - Methods & systems
- " - Mutual
- " - Notes
- " - Reserves
- " - Schedules
- " - Statistical
- " - Taxation
- " - Trust accounts

✓ Savings banks -

✓ Savings banks -  
 Savings banks -  
 Savings banks -

**Santa Fé trail**

**Saracens**

*See also* Arabia — History; Arabs; Caliphs; Crusades; Mohammedanism; Moors

**Sarcophagi**

Satan *see* Devil

**Satellites**

*See also* Astronomy; Moon; Perturbation; Planets

**Satire**

*See also* Caricature and cartoons; Humor; Irony; Parodies

—**American**

*See also* American literature; Satire, English

—**English**

*See also* English literature; Satire, American

—**Greek**

*See also* Greek literature

**Sauces**

*See also* Cookery

**Savages**

*See also* Indians; Society, Primitive

Saving *see* Thrift

**Savings banks**

*See also* Banks and banking; Building and loan associations; Postal savings banks; School savings banks; Thrift; Trust companies

Saw mills *see* Sawmills

**Sawmills**

**Saws**

*See also* Woodworking machinery

Saxon language *see* Anglo-Saxon language; Old Saxon language

Sayings *see* Epigrams; Maxims; Proverbs; Quotations; Table-talk

**Scaffolding**

*See also* Building; Shoring and underpinning

Scalds *see* Burns and scalds

**Scale (music)**

**Scale insects**

*See also* Hemiptera; San José scale

**Scalping**

**Scandinavian languages**

*See also* Danish language; Germanic languages; Icelandic language; Norwegian language; Swedish language

**Scandinavian literature**

*See also* Danish literature; Eddas; Icelandic literature; Norwegian literature; Sagas; Swedish literature

Scandinavian mythology *see* Mythology, Norse

*Refer from* Indian trails; New Mexico; Roads—U. S.; Southwestern states; Trails (s); Western states

*Refer from* Arabia — History; Arabs; Crusades; Mohammedanism; Moors

*Refer from* Bas-relief; Burial; Christian art and symbolism; Sculpture; Tombs

*Refer from* Astronomy; Perturbation; Planets; Secondary planets (s)

*Refer from* Caricature and cartoons; Comic literature (s); Humor; Lampoons (s); Literature; Rhetoric

*Refer from* American literature; American satire (s); Humor, American; Satire, English

*Refer from* English literature; English satire (s); Humor, English; Satire, American

*Refer from* Greek literature; Greek satire (s)

*Refer from* Cookery; Salads

*Refer from* Ethnology; Man; Primitive man (s); Society, Primitive; Sociology

*Refer from* Banks and banking; Cooperation; Thrift

*Refer from* Lumber and lumbering; Mills and millwork; Saw mills (s)

*Refer from* Tools; Woodworking machinery

*Refer from* Building; Carpentry; Roofs

*Refer from* Music

*Refer from* Coccidae (s); Fruit — Diseases and pests; Hemiptera; Insects, Injurious and beneficial; San José scale

*Refer from* Indians

*Refer from* Danish language; Germanic languages; Icelandic language; Norwegian language; Swedish language

*Refer from* Danish literature; Icelandic literature; Literature; Norse literature (s); Norwegian literature; Sagas; Swedish literature



**Scandinavians in the U. S.**

*See also* Danes in the U. S.; Norwegians in the U. S.; Swedes in the U. S.

**Scarabs**

*Scarlatina see* Scarlet fever

**Scarlet fever**

Scenarios *see* Plots (drama, novel, etc.)

**Scene painting**

Scenery *see* Landscape; Nature; Picturesque

Scent *see* Odors; Perfumery; Tracking

Scepticism *see* Skepticism

**Schism, The great western, 1378-1417**

*See also* Church history — Middle ages; Popes — History

**Scholars**

*See also* Culture; Degrees, Academic

Scholarship *see* Culture; Education; Scholars

**Scholarships**

*See also* Rhodes scholarships, Oxford university

Scholastic philosophy *see* Scholasticism

**Scholasticism**

*See also* Philosophy, Medieval; Realism

**School administration and organization**

*See also* School grading and promotions; School management; School reports; School superintendents and principals

School architecture *see* Schoolhouses

**School athletics**

*See also* Baseball; Basket-ball; College athletics; Football

**School attendance**

*See also* Compulsory education; Truancy

School books *see* Textbooks

School buildings *see* Schoolhouses

School centralization *see* Schools — Centralization

**School children**

*See also* Anthropometry; Child study; Children, Abnormal and backward; Medical inspection of schools; Playgrounds; School attendance; School hygiene; School lunches; School management; Study; Truancy

**School city**

*See also* Self-government (in education)

**School decoration**

School discipline *see* School management

**School entertainments**

School equipment *see* School furniture and equipment

**School excursions**

School farms *see* Farm schools; School gardens

*Refer from* Danes in the U. S.; Norwegians in the U. S.; Swedes in the U. S.; U. S. — Foreign population

*Refer from* Amulets; Beetles; Symbolism

*Refer from* Children — Diseases; Contagion and contagious diseases; Fever; Medicine — Practice; Scarletina (s)

*Refer from* Painting; Theater

*Refer from* Catholic church — History; Church history — Middle ages; Great schism, 1378-1417 (s); Papal schism (s); Popes — History

*Refer from* Culture; Education; Learned men (s); Learning (s); Scholarship (s); Study

*Refer from* Colleges and universities; Education; Education and state

*Refer from* Philosophy; Philosophy, Medieval; Realism; Scholastic philosophy (s)

*Refer from* School management; School organization (s)

*Refer from* Athletics; College athletics; Games; High school athletics (s); High schools; Physical education; School sports (s)

*Refer from* Compulsory education; School children; Truancy

*Refer from* Boys; Children; Girls; Public schools; School hygiene

*Refer from* Citizenship; Education and citizenship; School republics (s); Self-government (in education)

*Refer from* Art in the schoolroom (s); Decoration and ornament; House decoration; Schoolhouses; Schoolroom decoration (s)

*Refer from* Entertainments

*Refer from* Amusements; Excursions, School (s)





**School furniture and equipment**

**School gardens**

*See also* Gardening; Vacant lot cultivation

**School grading and promotions**

School houses *see* Schoolhouses

**School hygiene**

*See also* Medical inspection of schools; Open-air schools; Overpressure (education); Playgrounds; School children; School lunches; School nurses

**School lands**

**School laws**

*See also* Compulsory education

**School libraries**

*See also* Libraries and schools

School life *see* Student life

**School lunches**

**School management**

*See also* Corporal punishment; Fire drills; Overpressure (education); School administration and organization; School grading and promotions; Self-government (in education); Teaching

**School music**

*See also* Kindergarten — Games and songs

**School nurses**

*See also* Medical inspection of schools

School organization *see* School administration and organization

School playgrounds *see* Playgrounds

School principals *see* School superintendents and principals

**School reports**

School republics *see* School city

**School savings banks**

School sports *see* School athletics

**School stories**

*See also* College stories

**School superintendents and principals**

School teaching *see* Teaching

**Schoolhouses**

*See also* School decoration; School hygiene; Social centers

Schoolmasters *see* Teachers

Schoolroom decoration *see* School decoration

**Schools**

*See also* Academies (schools); Auxiliary schools; Charity schools; Church schools;

*Refer from* Furniture; School equipment (s)

*Refer from* Gardening; Gardens; Nature study; School farms (s); Vacant lot cultivation

*Refer from* Grading in schools (s); Promotion (in schools) (s); School administration and organization; School management; Teaching

*Refer from* Children — Care and hygiene; Hygiene; Hygiene, Public; Medical inspection of schools; Occupations — Diseases and hygiene; Sanitation; School children; Schoolhouses

*Refer from* Land; Land grants; Land tenure; U. S. — Public lands

*Refer from* Compulsory education; Educational laws (s); Law

*Refer from* Children's literature; Libraries; Libraries, Children's; Libraries, School (s); Libraries and schools

*Refer from* Children — Care and hygiene; Diet; Luncheons; Penny lunches (s); School children; School hygiene

*Refer from* Corporal punishment; Discipline, School (s); School administration and organization; School children; School discipline (s); Teaching

*Refer from* Music; Singing and voice culture; Songs

*Refer from* Medical inspection of schools; Nurses and nursing; School hygiene

*Refer from* School administration and organization

*Refer from* Banks and banking; Savings banks

*Refer from* College stories; Fiction; Student life

*Refer from* Principals, School (s); School administration and organization; School principals (s); Superintendents, School (s); Teachers

*Refer from* Architecture; Public buildings; School architecture (s); School buildings (s); School houses (s)

*Refer from* Education; Public schools



### **Schools—Continued**

Colleges and universities; Correspondence schools and courses; Country schools; Curriculum; Education; Evening and continuation schools; Farm schools; Grammar schools; High schools; Kindergarten; Libraries and schools; Normal schools; Open-air schools; Parental schools; Playgrounds; Private schools; Public schools; Ragged schools; Sewing schools; Summer schools; Sunday schools; Trade schools; Truant schools; Vacation schools; *also* headings beginning School

#### **—Centralization**

*Refer from* Centralization of schools (s); Concentration of schools (s); Consolidation of schools (s); Country schools; Public schools; School centralization (s)

—Medical inspection, *see* Medical inspection of schools  
Schools and libraries *see* Libraries and schools;  
Children's literature; Libraries, Children's

### **Schwenkfelders**

Sciagraphs *see* Radiography

#### **Science**

*See also* Anthropology; Astronomy; Biology; Botany; Chemistry; Economics; Ethnology; Evolution; Geography; Geology; Government; History; Industrial arts; Inventions; Language; Law; Logic; Mathematics; Medicine; Meteorology; Microscope and microscopy; Military art and science; Mineralogy; Natural history; Nature; Nature study; Naval art and science; Occult sciences; Paleontology; Philosophy; Physical geography; Physics; Psychology; Radioactivity; Religion and science; Scientific apparatus and instruments; Scientific expeditions; Scientific recreations; Scientific research; Scientific societies; Scientists; Sociology; Technology; Theology; Weights and measures; Zoology

#### **—Study and teaching**

*See also* Nature study; Technical education; *also* names of sciences  
Science and religion *see* Religion and science  
Science and the Bible *see* Bible and science

#### **Scientific apparatus and instruments**

*See also* Astronomical instruments; Chemical apparatus; Instruments; Optical instruments; *also* names of instruments  
Scientific associations *see* Scientific societies  
Scientific education *see* Science — Study and teaching

#### **Scientific expeditions**

*See also* Antarctic regions; Arctic regions; Challenger expedition; *also* names of countries, subhead Exploring expeditions  
Scientific instruments *see* Scientific apparatus and instruments

#### **Scientific management**

*See also* Accounting; Cost accounting; Efficiency, Industrial; Executive ability; Factory management; Foremen's schools; Machine shop management; Railroads — Management

*Refer from* Germans in Pennsylvania; Sects

*Refer from* Discoveries (in science) (s); Knowledge; Natural history; Natural science (s); Nature; Philosophy

*Refer from* Education, Scientific (s); Scientific education (s)

*Refer from* Instruments; Philosophical instruments (s); Physical instruments (s); Science; Scientific instruments (s)

*Refer from* Antarctic regions; Arctic regions; Discoveries and explorations; Expeditions, Scientific (s); Science; Voyages and travels

*Refer from* Business; Efficiency, Industrial; Executive ability; Factory management; Industrial betterment; Labor and laboring classes; Machine shop management; Management of factories, shops, etc. (s); Manufactures;



Scientific men *see* Scientists

**Scientific recreations**

*See also* Mathematical recreations

**Scientific research**

*See also* Laboratories; Medical research; Research

**Scientific societies**

*See also* Botanical societies; Chemical societies; Learned societies

**Scientists**

*See also* Astronomers; Botanists; Chemists; Electricians; Entomologists; Geologists; Inventors; Mathematicians; Naturalists; Ornithologists; Zoologists

Scores (music) *see* Music — Scores, and references under that subject

Scotch ballads *see* Ballads, Scottish

**Scotch in France**

Scotch in Ireland *see* Scotch-Irish

**Scotch-Irish**

**Scotch-Irish in the U. S.**

Scotch literature *see* Scottish literature

Scotch plaids *see* Tartans

Scotch ballads *see* Ballads, Scottish

Scottish borders *see* Borders of Scotland

Scottish clans *see* Clans

Scottish highlands *see* Highlands of Scotland

Scottish language *see* English language — Dialects — Scottish; Gaelic language

**Scottish literature**

*See also* Ballads, Scottish; English literature; Gaelic literature; Scottish poetry

Scottish marches *see* Borders of Scotland

**Scottish poetry**

*See also* Ballads, Scottish; English poetry; Scottish literature; Songs, Scottish

Scottish songs *see* Ballads, Scottish; Songs, Scottish

Scouring *see* Cleaning; Dyes and dyeing

**Scouts and scouting**

*See also* Boy scouts; Tracking

Scrap-books *see* Scrapbooks

**Scrapbooks**

*See also* Clippings

Screw-cutting machines *see* Screw machines

**Screw machines**

*See also* Machine tools; Screws

Screw propellers *see* Propellers

**Screws**

*See also* Machine design; Screw machines

Scriptures *see* Bible

Sculling *see* Rowing

**Sculptors**

*See also* Artists

**Sculpture**

*See also* Anatomy, Artistic; Art; Bas-relief; Bronzes; Carving (art industries); Drawing; Esthetics; Ivory; Marble; Modeling; Monuments; Plaster casts; Proportion (art); Sarcophagi; Sculptors; Statues

Mills and millwork; Railroads — Management; Shop management (s); Works management (s)

*Refer from* Amusements; Science

*Refer from* Research; Science; Study

*Refer from* Learned societies; Science; Scientific associations (s); Societies

*Refer from* Authors; Biography; Naturalists; Science; Scientific men (s)

*Refer from* Ireland; Scotch in Ireland (s)  
*Refer from* Irish in the U. S.; U. S. — Foreign population

*Refer from* British literature (s); English literature; Scotch literature (s); Scottish poetry

*Refer from* Ballads, Scottish; British poetry (s); English poetry; Scottish literature

*Refer from* Military art and science

*Refer from* Clippings; Scrap-books (s)

*Refer from* Machine tools; Machinery; Screw-cutting machines (s); Screws

*Refer from* Hardware; Machine design; Machinery; Screw machines

*Refer from* Artists; Sculpture

*Refer from* Archaeology; Art; Bas-relief; Carving (art industries); Decoration and ornament; Esthetics; Iconography (s); Modeling; Monuments; Plaster casts; Statues; Stonecutting



**Scutage**

*See also* Feudalism

Sea *see* Ocean

Sea bathing *see* Baths and bathing

Sea coast defense *see* Coast defense

Sea fights *see* Naval battles

Sea fisheries *see* Fisheries

**Sea food**

*See also* Fish as food; Oysters

Sea kings *see* Northmen

**Sea level**

*See also* Altitudes

Sea life *see* Marine biology; Seafaring life

Sea mosses *see* Algae

Sea plants *see* Aquatic plants

**Sea power**

*See also* Disarmament; Naval art and science; Naval history; Navies; Warships; *also* names of countries, subhead Navy

**Sea serpents**

*See also* Animals, Mythical

**Sea stories****Sea walls**

*See also* Embankments

**Sea water****Seafaring life**

*See also* Sailors; Sea stories; Whaling

**Seals (animals)**

*See also* Carnivora; Fisheries — Alaska

**Seals (numismatics)**

*See also* Numismatics

Seamanship *see* Navigation

Seamen *see* Sailors

Seamen's missions *see* Missions — Seamen

**Search, Right of**

*See also* Maritime law; Neutrality

**Searchlights****Seashore**

*See also* Algae; Baths and bathing; Beaches; Coast changes; Dunes; Marine biology; Marine zoology; Ocean

**Seasickness****Seasons**

*See also* Autumn; Spring; Summer; Winter

Seat work in schools *see* Busy work

Seaweeds *see* Algae

**Secession**

*See also* Confederate States of America; Federal government; State rights; U. S. — History — Civil war

*Refer from* Escuage (s); Feudalism; Land tenure; Taxation

*Refer from* Fish as food; Food; Ocean

*Refer from* Altitudes; Ocean

*Refer from* Disarmament; Dominion of the sea (s); International relations; Maritime power (s); Military power (s); Naval art and science; Naval history; Naval power (s); Navies

*Refer from* Animals, Mythical; Delusions (s); Monsters

*Refer from* Fiction; Ocean; Sailors; Seafaring life

*Refer from* Embankments; Engineering; Hydraulic engineering; Ocean; Walls

*Refer from* Ocean; Salt; Water

*Refer from* Adventure; Marine life (s); Ocean life (s); Sailors; Sea life (s); Voyages and travels

*Refer from* Carnivora; Fisheries; Fisheries — Alaska; Fur-bearing animals; Fur seals (s); Mammals; Marine zoology

*Refer from* Archaeology; Heraldry; Inscriptions; Intaglios; Numismatics; Sigillography (s); Signets (s); Sphragistics (s)

*Refer from* International law; Maritime law; Neutrality; Privateering; Right of search (s)

*Refer from* Electric lighting

*Refer from* Beaches; Marine zoology; Ocean; Physical geography; Shore (s)

*Refer from* Medicine — Practice; Naval hygiene; Ocean; Ocean travel

*Refer from* Astronomy; Autumn; Climate; Earth; Meteorology; Months; Nature; Spring; Summer; Winter; Year

*Refer from* Federal government; Government; State rights; U. S. — Constitution; U. S. — History — Civil war



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**Second advent**

*See also* Christadelphians; Eschatology; Jesus Christ; Judgment day; Millennium; Second adventists

**Second adventists****Second sight**

*See also* Clairvoyance

Secondary batteries *see* Storage batteries

Secondary education *see* Education, Secondary

Secondary planets *see* Satellites

Secondary schools *see* Academies (schools); Education, Secondary; High schools

**Secret chambers****Secret service**

*See also* Detectives

**Secret societies**

*See also* Benefit societies; Boxers; Camorra; Carbonari; Fenians (society); Fraternities, College; Fraternities, High school; Freemasons; Grange; Hazing; Ku-Klux Klan; Mafia; Malta, Knights of; Nihilism; Odd Fellows; Rosicrucians; Templars

Secret writing *see* Ciphers

**Sectionalism****Sects**

*See also* Anabaptists; Baptists; Brownists; Catholic apostolic church; Catholic church; Christadelphians; Christian science; Christian union; Church of England; Church of Scotland; Congregationalism; Disciples of Christ; Dissenters; Dukhobors; Flagellants; Friends, Society of; German Baptist brethren; Harmonists; Huguenots; Hussites; Labadists; Lollards; Lutheran church; Mennonites; Methodist Episcopal church; Moravians; Mormons and Mormonism; Nestorians; New Jerusalem church; Plymouth brethren; Presbyterianism; Protestant Episcopal church in the U. S.; Reformed church in America; Salvation army; Sandemanians; Schwenkfelders; Second adventists; Separatist society of Zoar; Seventh-day Baptists; Shakers; Unitarianism; United brethren in Christ; Universalism; Waldenses; Wesleyan Methodist church

**Secularism**

*See also* Agnosticism; Utilitarianism

**Securities**

*See also* Bonds; Investments; Mortgages; Negotiable instruments; Stocks

**Sedan campaign, 1870**

*See also* Franco-German war

Sedimentary rocks *see* Rocks

**Sedimentation and deposition**

*See also* Erosion; Geology

*Refer from* Advent; Eschatology; Jesus Christ; Jesus Christ—Second advent (s); Judgment day; Millennium; Prophecies; Theology

*Refer from* Adventists (s); Millerites (s); Second advent; Sects

*Refer from* Divination; Occult sciences; Superstition

*Refer from* Architecture; England—Historic houses; Priests' holes (s)

*Refer from* Detectives; U. S.—History—Civil war; U. S.—Secret service (s)

*Refer from* Benefit societies; Fraternities, College; Societies

*Refer from* Politics; U. S.—Economic conditions; U. S.—Politics; U. S.—Social conditions

*Refer from* Belief; Christianity; Church history; Denominations, Religious (s); Faith; Protestantism; Religion; Religions; Religious denominations (s); Theology

*Refer from* Ethics; Free thought; Religion; Utilitarianism

*Refer from* Bonds; Capitalization (finance) (s); Dividends (s); Finance; Investments; Loans; Mortgages; Negotiable instruments; Promoting; Stocks

*Refer from* Franco-German war

*Refer from* Deposition (geology) (s); Erosion; Geology

✓ Signoraggi

Sedition act, 1798, *see* Alien and sedition laws, 1798

**Seedlings**

**Seeds**

*See also* Botany — Embryology; Germination

— **Adulteration and inspection**

— **Dispersal**

— **Distribution**

— **Inspection**, *see* Seeds — Adulteration and inspection

— **Selection and testing**

*See also* Seeds — Adulteration and inspection

Seismology *see* Earthquakes; Volcanoes

Selection, Natural, *see* Natural selection

**Self-control**

**Self-culture**

*See also* Books and reading; Conversation; Correspondence schools and courses; Education; Etiquette; Mental discipline; Study; Study clubs; University extension

**Self-denial**

Self-education *see* Self-culture

Self-government *see* Democracy; Home rule;

Local government; Representative government and representation

**Self-government (in education)**

*See also* School city; Self-control

Self-help *see* Conduct of life; Self-culture;

Self-reliance; Success

Self-inductance *see* Inductance

Self-made men *see* Success

**Self-reliance**

**Self-respect**

**Selfishness**

*See also* Egoism; Hedonism

Selling *see* Sale; Salesmanship

**Seminary method**

*See also* Research

Semites *see* Semitic race

**Semitic languages**

*See also* Arabic language; Assyrian language; Hebrew language; Oriental languages

**Semitic race**

*See also* Arabs; Jews

Senate *see* under names of countries and states

**Senators**

— **U. S.**

— **Election**

Sensation *see* Senses and sensation

*Refer from* Botany; Gardening; Plants

*Refer from* Botany; Botany — Embryology; Botany, Structural; Germination; Plant propagation; Plants

*Refer from* Adulterations; Seeds — Inspection (s); Seeds — Selection and testing

*Refer from* Ecology; Geographical distribution of animals and plants

*Refer from* Distribution of seed by the government (s); Free seed distribution (s)

*Refer from* Agriculture; Gardening; Grain; Plant breeding

*Refer from* Conduct of life; Self-government (in education)

*Refer from* Conduct of life; Culture; Education; Home education; Mental discipline; Self-education (s); Self-help (s); Study; Young men; Young women

*Refer from* Conduct of life; Ethics

*Refer from* Colleges and universities; Education; Honor system (s); School city; School management; Student self-government (s)

*Refer from* Conduct of life; Self-help (s)

*Refer from* Conduct of life; Ethics

*Refer from* Conduct of life; Egoism; Ethics; Hedonism

*Refer from* Education; Research; Study; Teaching

*Refer from* Arabic language; Assyrian language; Hebrew language; Language; Oriental languages

*Refer from* Arabs; Ethnology; Jews; Semites (s)

*Refer from* Statesmen

*Refer from* U. S. — Congress; U. S. — Senate  
*Refer from* Elections — U. S.; Popular election of senators (s)



## **Senses and sensation**

*See also* Color sense; Hearing; Light; Muscular sense; Pain; Perception; Psychology; Physiology, Physiological; Reaction time; Sight; Smell; Sound; Space perception; Taste (sense); Touch

Sentence, Indeterminate, *see* Indeterminate sentence

## **Separatist society of Zoar**

Separatists *see* Separatist society of Zoar

Separators, Cream, *see* Cream separators

## **Sepia painting**

Sepoy rebellion, *see* Indian mutiny, 1857-1858

Sepulchers *see* Tombs

Sepulture *see* Burial

Seraglio *see* Harem

## **Serfdom**

*See also* Feudalism; Peonage; Russia — History; Slavery; Villeinage

Sericulture *see* Silkworms

## **Sermon on the mount**

*See also* Beatitudes; Bible — New Testament — Matthew

## **Sermons**

*See also* Children's sermons; College sermons; Funeral sermons; Preaching

— Illustrative helps, *see* Anecdotes, Religious — Outlines

## **Serpent worship**

Serpents *see* Snakes

## **Serum therapy**

*See also* Antitoxins; Immunity; Inoculation

## **Servants**

*See also* Employment agencies; Indentured servants; Livery; Master and servant; Tipping; Waiters

Service-books *see* Liturgies

Settlements *see* Social settlements

## **Seven wonders of the world**

## **Seven years' war, 1756-1763**

*See also* Europe — History — 1492-1789; French and Indian war; Germany — History — 1740-1815; Prussia — History

Seventeen-year locusts *see* Cicadas

## **Seventeenth century**

*See also* English literature — History and criticism — 17th century; History, Modern

## **Seventh-day Baptists**

*See also* German Baptist brethren

## **Sewage**

*See also* Filters and filtration; Sewerage; Water pollution

## **Sewerage**

*See also* Plumbing; Sanitary engineering; Sewage; also names of cities, subhead Sewerage

*Refer from* Consciousness; Hearing; Intellect; Perception; Psychology; Physiology, Physiological; Sensation (s); Sight; Smell; Space perception; Taste (sense); Touch

*Refer from* Separatists (s); Sects; Zoar community (s); Zoarites (s)

*Refer from* Painting

*Refer from* Feudalism; Government; Slavery; Villeinage

*Refer from* Beatitudes; Bible; Bible — New Testament — Matthew; Jesus Christ — Teaching

*Refer from* Homiletics (s); Homilies (s); Literature; Preaching; Religion; Theology

*Refer from* Animal worship; Animism; Indians — Religion; Nature worship; Snake worship (s); Snakes; Worship

*Refer from* Antitoxins; Immunity; Inoculation; Organotherapy; Therapeutics

*Refer from* Domestic service (s); Domestic (s); Home economics; Housemaids (s); Labor and laboring classes; Master and servant; Waiters

*Refer from* History, Ancient; Wonders of the world (s)

*Refer from* Austria — History; England — History — 1714-1837; Europe — History — 1492-1789; France — History — Bourbons; French and Indian war; Germany — History — 1740-1815; Prussia — History; Sweden — History

*Refer from* Europe — History — 1492-1789; History, Modern

*Refer from* Baptists; Sabbatarians (s); Sects

*Refer from* Hygiene, Public; Refuse and refuse disposal; Sanitary chemistry; Sanitary engineering; Sanitation; Sewerage; Waste, Disposal of (s); Water pollution

*Refer from* Drainage; House drainage (s); Municipal engineering; Sanitary engineering; Sanitation; Sewage; Sewers (s)



Sewers *see* Sewerage  
Sewing *see* Needlework

**Sewing machines**

**Sewing schools**

*See also* Needlework

**Sex**

*See also* Hermaphroditism; Marriage; Puberty; Sexual ethics

Sex worship *see* Phallicism

**Sextant**

*See also* Astronomical instruments; Surveying instruments

**Sexual ethics**

*See also* Adultery; Chastity; Illegitimacy; Marriage; Prostitution

**Shades and shadows**

*See also* Geometry, Descriptive; Perspective

**Shadow pantomimes**

Shadows *see* Shades and shadows

**Shaft sinking**

*See also* Boring; Mining engineering

**Shafting**

*See also* Belting; Power transmission; Pulleys

**Shakers**

**Shakespeare, William**

[These subheads may be used for other authors as needed]

—Actors, *see* Shakespeare — Stage presentation

—Animal lore, *see* Shakespeare — Natural history

—Authorship

—Bacon-Shakespeare controversy, *see* Shakespeare — Authorship

—Biblical knowledge, *see* Shakespeare — Learning; Shakespeare — Religion and ethics

—Bibliography

—Biography

—Botanical knowledge, *see* Shakespeare — Natural history

—Celebrations

—Characters

*See also* Shakespeare — Stage presentation

—Chronology

—Clubs, *see* Shakespeare — Societies

—Collier controversy, *see* Shakespeare — Textual criticism

—Commemorations, *see* Shakespeare — Celebrations

—Commentaries, *see* Shakespeare — Criticism

—Concordances

*Refer from* Machinery; Needlework

*Refer from* Needlework; Schools

*Refer from* Biology; Man; Marriage; Physiology; Women

*Refer from* Astronomical instruments; Surveying instruments

*Refer from* Adultery; Ethics; Ethics, Sexual (s); Marriage; Prostitution; Sex; Social purity (s)

*Refer from* Drawing; Geometry, Descriptive; Perspective; Shadows (s)

*Refer from* Amateur theatricals; Chinese shadows (s); Gallant shows (s); Pantomime; Puppet plays

*Refer from* Boring; Mines and mineral resources; Mining engineering

*Refer from* Belting; Machinery; Power transmission; Pulleys

*Refer from* Communism; Millennial church (s); Sects; Socialism; United society of believers (s)

*Refer from* Bacon-Shakespeare controversy (s); Shakespeare — Bacon-Shakespeare controversy (s); Shakespeare-Bacon controversy (s)

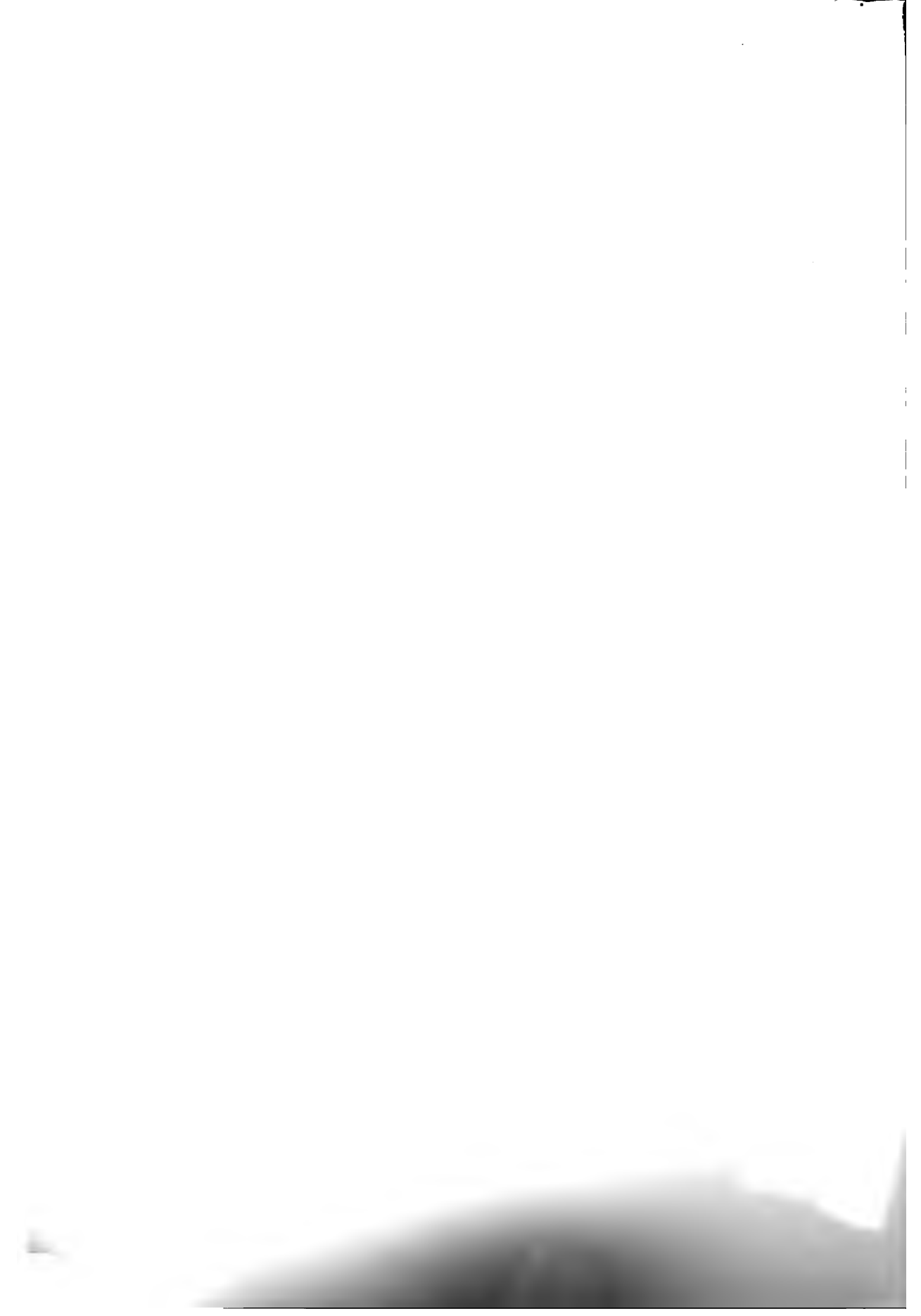
*Refer from* Shakespeare — Editions (s)

*Refer from* Shakespeare — Commemorations (s)

*Refer from* Shakespeare — Fools (s); Shakespeare — Heroines (s); Shakespeare — Women (s)

*Refer from* Shakespeare — Indexes (s)





**Shakespeare, William — Continued**  
**— Contemporary England**

- **Criticism** [including commentaries without text; criticism of a single play follows its text]  
*See also* Shakespeare — Textual criticism
- **Cyclopedias**, *see* Shakespeare — Dictionaries
- **Dictionaries**
- **Editions**, *see* Shakespeare — Bibliography
- **England in Shakespeare's time**, *see* Shakespeare — Contemporary England
- **Environment**, *see* Shakespeare — Contemporary England
- **Ethics**, *see* Shakespeare — Religion and ethics
- **Fiction** [about]
- **Folklore and mythology**
- **Fools**, *see* Shakespeare — Characters
- **Forgeries**
- **Grammar**, *see* Shakespeare — Language, pronunciation and versification
- **Heroines**, *see* Shakespeare — Characters
- **Home**  
*See also* Stratford-upon-Avon
- **Humor**
- **Illustrations**
- **Indexes**, *see* Shakespeare — Concordances
- **Ireland forgeries**, *see* Shakespeare — Forgeries
- **Knowledge**, *see* Shakespeare — Learning
- **Language, pronunciation and versification**
- **Learning**  
*See also* Shakespeare — Folklore and mythology; Shakespeare — Natural history; Shakespeare — Sources
- **Legal knowledge**, *see* Shakespeare — Learning
- **Medical knowledge**, *see* Shakespeare — Learning
- **Miscellaneous**
- **Monuments**
- **Music**
- **Mythology**, *see* Shakespeare — Folklore and mythology
- **Name**
- **Natural history**
- **Periodicals**
- **Philosophy**  
*See also* Shakespeare — Religion and ethics

*Refer from* Elizabethan age (s); England — History — Elizabethan period; England — Social life and customs; Shakespeare — England in Shakespeare's time (s); Shakespeare — Environment (s)

*Refer from* Shakespeare — Commentaries (s)

*Refer from* Shakespeare — Cyclopedias (s)

*Refer from* Shakespeare — Learning; Shakespeare — Mythology (s)

*Refer from* Literary forgeries and mystifications; Shakespeare — Ireland forgeries (s)

*Refer from* Stratford-upon-Avon  
*Refer from* Shakespeare — Wit and humor (s)

*Refer from* Shakespeare — Pictures (s)

*Refer from* Shakespeare — Grammar (s); Shakespeare — Pronunciation (s); Shakespeare — Rhetoric (s); Shakespeare — Textual criticism; Shakespeare — Versification (s)

*Refer from* Shakespeare — Biblical knowledge (s); Shakespeare — Knowledge (s); Shakespeare — Legal knowledge (s); Shakespeare — Medical knowledge (s); Shakespeare — Sources

*Refer from* Shakespeare — Animal lore (s); Shakespeare — Botanical knowledge (s); Shakespeare — Learning; Shakespeare — Plant lore (s)



**Shakespeare, William** — Continued

— Pictures, *see* Shakespeare — Illustrations;  
Shakespeare — Portraits

— Plant lore, *see* Shakespeare — Natural  
history

— **Plots**

*See also* Shakespeare — Sources

— **Poetry** [about]

— **Portraits**

— Pronunciation, *see* Shakespeare — Lan-  
guage, pronunciation and versification

— **Religion and ethics**

— Rhetoric, *see* Shakespeare — Language,  
pronunciation and versification

— **Societies**

— **Sources**

*See also* Shakespeare — Learning;  
Shakespeare — Plots

— **Stage presentation**

— **Stories**

— **Study and teaching**

— Tales from Shakespeare, *see* Shakespeare —  
Stories

— **Textual criticism**

*See also* Shakespeare — Language, pro-  
nunciation and versification

— Theology, *see* Shakespeare — Religion and  
ethics

— Versification, *see* Shakespeare — Language,  
pronunciation and versification

— Wit and humor, *see* Shakespeare — Humor

— Women, *see* Shakespeare — Characters

Shakespeare-Bacon controversy *see* Shake-  
speare — Authorship

**Shawls**

**Shay's rebellion, 1786-1787**

*See also* Massachusetts — History

**Sheep**

*See also* Feeding and feeding stuffs; Live  
stock; Ungulata; Veterinary medicine; Wool

**Sheet-metal work**

*See also* Brass; Copper; Dies; Metal  
work; Punching machinery; Tin; Tin-  
smithing; Zinc

**Shell money**

*See also* Wampum

Shell mounds *see* Kitchen middens

Shells (conchology) *see* Mollusks

Shells (explosives) *see* Projectiles

**Shellwork**

**Shelving (for books)**

**Sheriffs**

*See also* Arrest

**Shinto**

*See also* Ancestor worship; Japan — Re-  
ligion

*Refer from* Plots (drama, novel, etc.);  
Shakespeare — Sources

*Refer from* Shakespeare — Pictures (s)

*Refer from* Shakespeare — Biblical knowl-  
edge (s); Shakespeare — Ethics (s); Shake-  
speare — Philosophy; Shakespeare — The-  
ology (s)

*Refer from* Shakespeare — Clubs (s)

*Refer from* Shakespeare — Learning; Shake-  
speare — Plots

*Refer from* Shakespeare — Actors (s); Shake-  
speare — Characters; Theater

*Refer from* Shakespeare — Tales from Shake-  
speare (s)

*Refer from* Shakespeare — Collier contro-  
versy (s); Shakespeare — Criticism

*Refer from* Costume; Textile industry and  
fabrics

*Refer from* Massachusetts — History

*Refer from* Domestic animals; Live stock;  
Ungulata; Veterinary medicine; Wool

*Refer from* Dies; Machine shop practice;  
Metal work; Tinsmithing

*Refer from* Indians; Money; Wampum

*Refer from* Arts and crafts

*Refer from* Book shelves (s); Book stacks (s);  
Bookcases (s); Books; Libraries; Library archi-  
tecture; Library fittings and supplies; Stacks  
(for books) (s)

*Refer from* Arrest; County officers; Law

*Refer from* Ancestor worship; Japan — Re-  
ligion; Religions



Ship-building *see* Shipbuilding

**Ship canals**

*See also* Panama canal

Ship fever *see* Typhus fever

**Ship railroads**

7 Ship subsidies *see* Subsidies

**Shipbuilding**

*See also* Armored vessels; Boats and boating; Bulkheads; Launching; Marine engines; Motor boats; Propellers; Ships; Steamboats; Submarine boats; Torpedo boats; Warships; Yachts and yachting

**Shipping**

*See also* Carriers; Commerce; Maritime law; Salvage; Shipbuilding; Ships; Steamboats; Subsidies; Transportation

—U. S.

Shipping subsidies *see* Subsidies

Shippo *see* Cloisonné

**Ships**

*See also* Anchors; Armored vessels; Boats and boating; Galleys; Ice-breaking vessels; Launching; Naval art and science; Navies; Navigation; Propellers; Sailing; Sailors; Sails; Shipbuilding; Shipping; Shipwrecks; Steam navigation; Steamboats; Submarine boats; Torpedo boats; Warships; Yachts and yachting

**Shipwrecks**

*See also* Castaways; Collisions at sea; Life-saving; Lifeboats; Salvage; Wrecking

**Shoemakers**

Shoes *see* Boots and shoes

**Shooting**

*See also* Archery; Ballistics; Firearms; Game; Game birds; Gunnery; Guns; Hunting; Rifle practice; Rifles; Sports; Target practice

Shooting stars *see* Meteors

Shop management *see* Machine shop management; Scientific management

Shop practice *see* Machine shop practice

Shop window decoration *see* Window dressing

Shoplifting *see* Larceny

Shops *see* Machine shops; Railroads — Shops

Shore *see* Seashore

**Shoring and underpinning**

*See also* Building; Foundations

Short ballot *see* Ballot

Short-sightedness *see* Myopia

**Short stories**

*See also* Fiction

**Shorthand**

*See also* Abbreviations; Writing

Shot-guns *see* Shotguns

**Shotguns**

*Refer from* Canals; Interoceanic canals (s); Panama canal

*Refer from* Railroads

*Refer from* Architecture, Naval (s); Boat building (s); Bulkheads; Industrial arts; Marine architecture (s); Marine engineering; Naval architecture (s); Naval art and science; Navigation; Ship-building (s); Shipping; Ships; Steamboats; Vessels (s)

*Refer from* Carriers; Commerce; Maritime law; Mercantile marine (s); Merchant marine (s); Navigation; Ships; Steamboats; Transportation; Vessels (s)

*Refer from* U. S.—Commerce; U. S.—Merchant marine (s); U. S.—Shipping (s)

*Refer from* Boats and boating; Fleets (s); Navigation; Ocean; Shipbuilding; Shipping; Vessels (s)

*Refer from* Accidents; Adventure; Castaways; Collisions at sea; Disasters; Life-saving; Navigation; Ocean; Ships; Wrecks (s)

*Refer from* Biography; Boots and shoes

*Refer from* Ballistics; Firearms; Game; Game birds; Gunnery; Gunning (s); Guns; Hunting; Rifles; Sports

*Refer from* Building; Foundations; Scaffolding; Underpinning (s)

*Refer from* Authorship; Fiction; Literature; Stories (s)

*Refer from* Abbreviations; Brachygraphy (s); Business education; Phonography (s); Reporting; Signs; Stenography (s); Tachygraphy (s); Takigraphy (s); Writing

*Refer from* Firearms; Guns; Shot-guns (s)

Signature

**Show cards**

Show windows *see* Window dressing

**Shrines**

*See also* Holy wells; Miracles; Pilgrimages; Relics

**Shrubs**

*See also* Botany; Gardening; Hedges; Landscape gardening; Topiary work; Trees  
**Siberia — Exiles**

**Sicilian vespers**

Sick, The, *see* Invalids

Sidereal system *see* Stars

**Sidewalks**

*See also* Pavements

**Sieges**

*See also* Battles; Fortification; Military art and science; Mines, Military

**Sight**

*See also* Astigmatism; Blind; Color blindness; Color sense; Eye; Myopia; Optical illusions; Senses and sensation; Spectacles

**Sight reading**

*See also* Tonic sol-fa

Sigillography *see* Seals (numismatics)

Sign boards *see* Sign painting; Signs

**Sign language**

*See also* Ciphers; Deaf and dumb; Pantomime

**Sign painting**

*See also* Lettering; Painting, Mechanical; Signs

**Signals**

*See also* Beacons; Bugle calls; Fire alarms; Flags; Fog signals; Railroads — Signals; Telegraph; Wireless telegraphy

Signatures *see* Autographs

Signboards *see* Sign painting; Signs

Signers of the Declaration of independence *see* Declaration of independence — Signers

Signets *see* Seals (numismatics)

**Signs**

*See also* Shorthand; Sign language; Sign painting; Signals

Signs (omens) *see* Omens

**Sikhs**

*See also* India — History

Silage *see* Ensilage

**Silhouettes****Silk**

*See also* Silkworms; Textile industry and fabrics

**Silkworms**

Silos *see* Ensilage

Silurian period *see* Geology, Stratigraphic — Silurian; Paleontology — Silurian

**Silver**

*See also* Cyanide process; Precious metals; Silver (as money); Silver mines and mining; Silversmithing; Silverware

*Refer from* Advertising

*Refer from* Catholic church; Christian antiquities; Church furniture; Holy wells; Miracles; Pilgrimages; Relics; Saints

*Refer from* Botany; Gardening; Hedges; Landscape gardening; Plants

*Refer from* Crime and criminals — Russia; Exile; Penal colonies; Prisons — Russia

*Refer from* Massacres; Sicily — History

*Refer from* Pavements; Roads; Streets

*Refer from* Battles; History; Military art and science; Military history; War

*Refer from* Eye; Light; Optics, Physiological (s); Perception; Senses and sensation; Vision (s)

*Refer from* Music; Music — Instruction and study; Singing and voice culture

*Refer from* Deaf and dumb; Gesture; Language; Signs

*Refer from* Advertising; Lettering; Painting, Mechanical; Sign boards (s); Signboards (s); Signs

*Refer from* Collisions at sea; Flags; Military art and science; Naval art and science; Navigation; Signs

*Refer from* Advertising; Business; Municipal improvement; Sign boards (s); Sign painting; Signboards (s)

*Refer from* India — History; India — Religion; Religions

*Refer from* Art; Drawing

*Refer from* Animal products; Fibers; Textile industry and fabrics; Yarn

*Refer from* Cocoons; Moths; Sericulture (s); Silk

*Refer from* Precious metals





**Silver (as money)**

*See also* Bimetallism; Coinage; Money

**Silver mines and mining**

Silver-plating *see* Electroplating; Plating

Silver question *see* Money — U. S.; Silver (as money)

Silverplating *see* Electroplating; Plating

**Silversmithing**

*See also* Arts and crafts; Hall marks; Jewelry; Metal coloring; Plate; Silverware

**Silverware**

*See also* Hall marks; Plate; Silversmithing

Silviculture *see* Forests and forestry; Trees

**Simony**

**Simple life**

*See also* Country life; Leisure

Simplified spelling *see* Spelling reform

**Sin**

*See also* Absolution; Christian ethics; Confession; Crime and criminals; Depravity; Evil; Fall of man; Future punishment; Predestination; Repentance; Salvation; Temptation

**Sincerity**

*See also* Honesty; Truth

**Singers**

*See also* Musicians

**Singing and voice culture**

*See also* Breathing; Chanting; Choirs; Choral societies; Music; Musical accompaniment; School music; Sight reading; Singers; Songs; Tonic sol-fa; Voice

Singing societies *see* Choral societies

Single rail *see* Railroads — Single rail

**Single tax**

*See also* Land nationalization; Land tenure; Physiocrats

**Sinking funds**

Sirups *see* Syrups

**Sisterhoods**

*See also* Carmelites; Convents and nunneries; Deaconesses; Nuns; Religious orders; Sisters of charity; Ursulines

**Sisters of charity**

Six nations *see* Iroquois Indians

**Sixteenth century**

*See also* History, Modern

**Skat**

*See also* Cards

**Skating**

*See also* Roller-skating; Winter sports

*Refer from* Bimetallism; Campaign literature; Coinage; Demonetization of silver (s); Finance; Free coinage of silver (s); Money; Resumption of specie payment (s); Silver; Silver question (s); Specie (s); Specie payment (s)  
*Refer from* Mines and mineral resources; Silver

*Refer from* Arts and crafts; Jewelry; Metal coloring; Metal work; Plate; Silver; Silverware

*Refer from* Hall marks; Plate; Silver; Silversmithing

*Refer from* Church discipline; Church law

*Refer from* Conduct of life; Country life

*Refer from* Christian ethics; Confession; Depravity; Ethics; Evil; Fall of man; Original sin (s); Religion; Temptation; Theology; Total depravity (s)

*Refer from* Ethics; Honesty; Truth

*Refer from* Musicians; Prima donnas (s); Singing and voice culture; Vocalists (s); Women

*Refer from* Breathing; Chanting; Choirs; Elocution; Music; Music — Instruction and study; Songs; Vocal culture (s); Vocal music (s); Voice; Voice culture (s)

*Refer from* Betterments (s); Land; Land nationalization; Land tenure; Real estate; Taxation

*Refer from* Debts, Public; Finance; Funds (s)

*Refer from* Catholic church; Charities; Church history; Church of England; Church polity; Monasticism; Nuns; Protestant Episcopal church in the U. S.; Religious orders; Women

*Refer from* Charities; Charity, Sisters of (s); Nuns; Nurses and nursing; Sisterhoods

*Refer from* Europe — History — 1492-1789; History, Modern

*Refer from* Cards

*Refer from* Athletics; Ice; Locomotion; Sports; Winter sports



**Skees and skee-running**

*See also* Winter sports

**Skeleton**

*See also* Anatomy; Anatomy, Comparative; Bones; Skull; Spine

**Skepticism**

*See also* Agnosticism; Atheism; Deism; Free thought; Materialism; Pantheism; Rationalism

Sketching *see* Drawing; Painting

Skiagraphs *see* Radiography

Skiing *see* Skees and skee-running

**Skin**

*See also* Anatomy; Color of man; Skin grafting; Smallpox

**—Diseases**

*See also* Leprosy; Pellagra

**Skin grafting**

Skins *see* Hides and skins

**Skipjacks**

Skis *see* Skees and skee-running

**Skull**

*See also* Brain; Head; Skeleton; Trephining

Sky *see* Astronomy; Meteorology

Sky-scrapers *see* High buildings

**Skylights**

Skyscrapers *see* High buildings

**Slag**

*See also* Blast furnaces; Cement

Slander *see* Libel and slander

**Slang**

*See also* Americanisms; Briticisms

**Slate**

Slate writing *see* Spiritualism

**Slaughtering and slaughterhouses**

*See also* Meat; Meat inspection; Packing industry

**Slave trade**

*See also* Kidnapping; Slavery

**Slavery**

*See also* Africa — Colonization; Freedmen; Galleys; Indentured servants; Negroes; Peonage; Redemptioners; Serfdom; Slave trade

**Slavery in the U. S.**

*See also* Abolitionists; Free soil party; Freedmen; Fugitive slaves; Kansas — History; Kansas-Nebraska bill; Mason and Dixon's line; Missouri compromise; Negroes; Southern states; Underground railroad (slavery)

**Slavic languages**

*See also* Aryan languages; Bohemian language; Polish language; Russian language

*Refer from* Skiing (s); Skis (s); Sports; Winter sports

*Refer from* Anatomy; Anatomy, Comparative; Anthropology; Bones; Skull; Spine

*Refer from* Agnosticism; Atheism; Belief; Deism; Doubt (s); Faith; Free thought; Infidelity (s); Philosophy; Religion; Scepticism (s); Theology; Unbelief (s)

*Refer from* Absorption (physiology); Anatomy; Beauty, Personal; Dermatology (s); Pigmentation (s)

*Refer from* Cutaneous diseases (s); Medicine — Practice

*Refer from* Skin; Surgery

*Refer from* Boats and boating; Sailing

*Refer from* Bones; Craniology (s); Ethnology; Head; Skeleton

*Refer from* Building; Roofs; Windows

*Refer from* Blast furnaces; Iron; Metals; Waste products

*Refer from* Argot (s); Dialects; English language; Language; Manners and customs  
*Refer from* Building stones; Rocks; Roofs

*Refer from* Abattoirs (s); Butchering (s); Hygiene, Public; Markets; Meat; Meat inspection; Packing industry

*Refer from* African slave trade (s); Kidnapping; Negroes; Slavery

*Refer from* Abolition of slavery (s); Anti-slavery (s); Emancipation (s); Ethics; Freedmen; Freedom (s); Government; History; Labor and laboring classes; Liberty; Negroes; Serfdom; Slave trade; Sociology

*Refer from* Abolition of slavery (s); Abolitionists; Free soil party; Negroes; Southern states; U. S. — History; U. S. — History — Civil war; U. S. — Slavery (s)

*Refer from* Aryan languages; Bohemian language; Polish language; Russian language



**Slavic literature**

*See also* Bohemian literature; Polish literature; Russian literature

Slavic mythology *see* Mythology, Slavic

Slavic race *see* Slavs

Slavonic *see* Slavic

**Slavs**

*See also* Aryans; Czechs; Ethnology — Russia; Pan Slavism; Poles (Polanders)

**Slavs in the U. S.**

*See also* Bohemians in the U. S.; Poles in the U. S.; Russians in the U. S.

**Sleep**

*See also* Dreams; Hypnotism; Insomnia; Nightmare; Somnambulism; Subconsciousness

Sleep-walking *see* Somnambulism

**Sleeping cars****Sleeping sickness**

*See also* Tsetse flies

Sleeplessness *see* Insomnia

Sleepwalking *see* Somnambulism

Sleight of hand *see* Conjuring

**Slide rule**

Slide valves *see* Valves and valve gears

Slojd *see* Manual training; Woodwork

Sloth *see* Idleness

Sloyd *see* Manual training; Woodwork

Slumber songs *see* Lullabies

**Slums**

*See also* Poor; Tenement houses

Small arms *see* Firearms

Small fruit *see* Berries; Fruit

**Smallpox**

*See also* Inoculation; Vaccination; Varioloid

**Smell**

*See also* Nose; Senses and sensation

**Smelting**

*See also* Blast furnaces; Electrometallurgy; Furnaces; Metallurgy; Ore treatment

**Smoke**

*See also* Fuel; Fumigation; Mechanical draft

Smokeless powder *see* Gunpowder

**Smoking**

*See also* Cigarettes; Cigars; Pipes, Tobacco; Tobacco; Tobacco — Physiological effects

**Smuggling****Snake dance**

*See also* Indians — Dances

Snake venom *see* Venom

*Refer from* Bohemian literature; Literature; Polish literature; Russian literature

*Refer from* Aryans; Czechs; Ethnology — Europe; Ethnology — Russia; Poles (Polanders); Slavic race (s)

*Refer from* Bohemians in the U. S.; Poles in the U. S.; Russians in the U. S.; U. S. — Foreign population

*Refer from* Brain; Dreams; Hygiene; Insomnia; Night; Physiology; Psychology; Rest; Somnambulism; Subconsciousness

*Refer from* Cars; Railroads — Rolling stock

*Refer from* Insects as carriers of contagion; Medicine — Practice; Tropics — Diseases and hygiene; Tsetse flies

*Refer from* Calculating machines; Carpentry; Logarithms; Mathematical instruments; Measuring instruments

*Refer from* Cities; Poor; Social problems; Tenement houses

*Refer from* Contagion and contagious diseases; Epidemics; Inoculation; Medicine — Practice; Skin; Vaccination; Variola (s); Varioloid

*Refer from* Nose; Odors; Senses and sensation

*Refer from* Furnaces; Metallurgy; Metals; Ore treatment

*Refer from* Air pollution; Chimneys; Combustion; Fire; Fuel; Mechanical draft; Municipal improvement; Nuisances; Sanitary chemistry; Sanitation

*Refer from* Cigarettes; Cigars; Pipes, Tobacco; Temperance; Tobacco; Tobacco — Physiological effects

*Refer from* Commerce; Crime and criminals; Tariff

*Refer from* Indians — Dances



Snake worship *see* Serpent worship

**Snakes**

*See also* Reptiles; Serpent worship;

Venom

**Snow**

*See also* Avalanches; Ice; Meteorology

**Snuff**

**Soap**

*See also* Chemistry, Technical

**Soap bubbles**

Sobriquets *see* Nicknames; Pseudonyms

Sociables *see* Church entertainments; Entertainments

**Social centers**

*See also* Playgrounds; Social settlements

Social classes *see* Class distinction

Social compact *see* Social contract

Social conditions *see* Civilization; Social problems; Sociology; *also* names of countries and cities, subhead Social conditions

**Social contract**

Social democracy *see* Socialism

**Social ethics**

*See also* Christian ethics; Christian sociology; Leisure class; Political ethics; Social problems, and references under that subject; State ethics; Wealth

Social evil *see* Prostitution

Social life and customs *see* Manners and customs; Society; *also* names of countries and cities, subhead Social life and customs

Social pathology *see* Social problems

**Social problems**

*See also* Charities; Child labor; Christian sociology; Cost of living; Crime and criminals; Defectives; Divorce; Education; Eugenics; Family; Housing problem; Hygiene, Public; Immigration and emigration; Juvenile delinquency; Labor and laboring classes; Liquor problem; Marriage; Municipal government; Poor; Prostitution; Race problems; Reform; Slums; Social ethics; Social work; Socialism; Unemployed; War

**Social psychology**

*See also* Crowds; Ethnopsychology; Fashion; National characteristics; Public opinion

Social purity *see* Sexual ethics

Social reform *see* Reform; Social problems

Social science *see* Civilization; Economics; Government; Sociology

Social service *see* Social work

**Social settlements**

*See also* Boys' clubs; City missions; Friendly visiting; Mothers' clubs; Neighborhood guilds; Neighborhood improvement; Poor; Social work

**Social work**

*See also* Charities; Christian sociology; Discharged prisoners; Friendly visiting; Industrial betterment; Social centers; Social problems; Social settlements

*Refer from* Reptiles; Ophidia (s); Serpents (s)

*Refer from* Meteorology; Storms; Water

*Refer from* Tobacco

*Refer from* Chemistry, Technical; Cleaning, Manufactures

*Refer from* Amusements; Bubbles, Soap (s); Liquids; Physics

*Refer from* People's palaces (s); Recreation centers (s); Schoolhouses; Social work

*Refer from* Government; Law; Social compact (s); Sociology; Sovereignty

*Refer from* Christian ethics; Christian sociology; Ethics; Ethics, Social (s); Religion and sociology (s); Social problems; Sociology; State ethics

*Refer from* Christian sociology; Civilization; Ethics; Reform; Social conditions (s); Social ethics; Social pathology (s); Social reform (s); Social work; Sociology

*Refer from* Crowds; Ethnopsychology; Psychology; Psychology, Comparative; Psychology, Social (s); Sociology

*Refer from* Charities; Church settlements (s); Church work; College settlements (s); Neighborhood work (s); Philanthropy; Poor; Settlements (s); Social centers; Social work; Sociology; University settlements (s)

*Refer from* Charities; Christian sociology; Philanthropy; Social problems; Social service (s); Social settlements





## **Socialism**

*See also* Christian socialism; Communism; Cooperation; Economic determinism; Economics; Equality; Government ownership; Individualism; Land nationalization; Paternalism; Shakers; Socialism and Catholic church; Socialism and Christianity; Utopias

—Christian, *see* Christian socialism

### **Socialism and Catholic church**

*See also* Socialism and Christianity

### **Socialism and Christianity**

*See also* Socialism and Catholic church

Socialistic communities *see* Communism; *also* names of communities

Socialistic utopias *see* Utopias

Socials *see* Church entertainments; Entertainments

### **Societies**

*See also* Agricultural societies; Antiquarian societies; Art societies; Benefit societies; Bible societies; Botanical societies; Charitable societies; Clubs; Corporations; Educational associations; Fraternities, College; Fraternities, High school; Geographical societies; Gilds; Historical societies; Humane societies; Insignia; Labor unions; Learned societies; Literary societies; Medical societies; Missionary societies; Musical societies; Patriotic societies; Scientific societies; Secret societies; Tract societies; Typographical societies; *also* names of societies

### **Society** [for society life, not sociology]

*See also* Class distinction; Conversation; Courts and courtiers; Entertaining; Etiquet; Salons; Sociology; Solitude; *also* names of countries and cities, subhead Social life and customs

### **Primitive**

*See also* Clans; Industries, Primitive; Savages; Tribes and tribal system; Village communities

Society of Friends *see* Friends, Society of

Society of Jesus *see* Jesuits

### **Socinianism**

*See also* Arianism; Trinity; Unitarianism

### **Sociology**

*See also* Altruism; Anarchism and anarchists; Anthropology; Caste; Charities; Children; Christian socialism; Christian sociology; Christianity; Cities; Civilization; Class distinction; Colonies and colonization; Communism; Cooperation; Crime and criminals; Crowds; Defectives; Divorce; Economics; Education; Equality; Ethics; Ethnopsychology; Eugenics; Evolution; Family; Feudalism; Gilds; Government;

*Refer from* Collectivism (s); Communism; Cooperation; Democracy; Economic determinism; Economics; Equality; Government; Government ownership; Individualism; Labor and laboring classes; Land nationalization; Nationalism (s); Paternalism; Property; Social democracy (s); Social problems; Sociology; State socialism (s); Utopias

*Refer from* Catholic church — Social relations; Catholic church and socialism (s); Church and state; Socialism; Socialism and Christianity

*Refer from* Christianity; Christianity and socialism (s); Church and state; Socialism; Socialism and Catholic church

*Refer from* Associations (s); Clubs; Sociology

*Refer from* Etiquet; Manners and customs; Social life and customs (s); Sociology

*Refer from* Anthropology; Civilization; Clans; Ethnology; Government; Industries, Primitive; Primitive society (s); Savages; Sociology; Tribes and tribal system

*Refer from* Arianism; Humanitarianism (theology) (s); Jesus Christ; Jesus Christ — Divinity; Theology; Trinity; Unitarianism

*Refer from* Anthropology; Civilization; Ethics; Government; History; Labor and laboring classes; Man; People; Science; Social conditions (s); Social science (s); Society



## **Sociology — Continued**

Immigration and emigration; Individualism; Industry; Insurance; Labor and laboring classes; Law; Leisure class; Man; Manners and customs; Marriage; Peace; People; Poor; Population; Prisons; Progress; Property; Punishment; Race problems; Religion; Savages; Slavery; Social contract; Social ethics; Social problems; Social psychology; Social settlements; Socialism; Societies; Society; Society, Primitive; Statistics; Temperance; Theology; Utopias; War; Women; *also* names of countries and cities, subhead Social conditions

—Christian, *see* Christian sociology

## **Soil absorption**

*See also* Soil moisture

## **Soil bacteriology**

*See also* Bacteriology, Agricultural; Nitrication; Soil inoculation

## **Soil fertility**

*See also* Fertilizers and manures; Rotation of crops

## **Soil inoculation**

*See also* Nitrification; Soil bacteriology

## **Soil moisture**

*See also* Agricultural physics; Drainage; Soil absorption

## **Soil surveys**

Soiling crops *see* Feeding and feeding stuffs

## **Soils**

*See also* Agricultural chemistry; Agricultural physics; Agriculture; Alkali lands; Alluvium; Bacteriology, Agricultural; Clay; Drainage; Fertilizers and manures; Irrigation; Nitrification; Soil absorption; Soil bacteriology; Soil fertility; Soil inoculation; Soil moisture; Soil surveys; Tillage

Sol-fa system *see* Tonic sol-fa

Solar eclipses *see* Eclipses

Solar engines *see* Solar motors

Solar heat *see* Sun

## **Solar motors**

Solar parallax *see* Parallax

Solar physics *see* Astronomy; Astrophysics; Sun

Solar spectrum *see* Spectra

## **Solar system**

*See also* Asteroids; Astronomy; Meteoritic hypothesis; Nebular hypothesis; Planetesimal hypothesis; Planets [and their names]; Sun

## **Solder and soldering**

*See also* Alloys; Welding

## **Soldiers**

*See also* Armies; Army life; Mercenary troops; Military art and science; Military biography; Pensions; Soldiers' homes; Soldiers' monuments

*Refer from* Absorption in soils (s); Agricultural physics; Soil moisture; Soils

*Refer from* Bacteriology; Bacteriology, Agricultural; Nitrification; Nitrifying bacteria (s); Soil inoculation; Soils

*Refer from* Agriculture; Fertility (s); Soils

*Refer from* Agriculture; Fertilizers and manures; Inoculation of soils (s); Legume inoculation (s); Nitrification; Soil bacteriology; Soils

*Refer from* Agricultural physics; Moisture of soils (s); Soil absorption; Soils; Water, Underground

*Refer from* Agriculture; Soils; Surveys (s)

*Refer from* Agricultural chemistry; Agricultural physics; Agriculture; Geology; Geology, Economic; Mold, Vegetable (s); Tillage; Vegetable mold (s)

*Refer from* Motors; Solar engines (s); Sun

*Refer from* Astronomy; Planets; Sun

*Refer from* Alloys; Brazing (s); Metal work; Metals; Plumbing; Welding

*Refer from* Armies; Army life; Military art and science; Military biography



**Soldiers' homes**

**Soldiers' monuments**

Solicitors *see* Lawyers

Solid geometry *see* Geometry

**Solids**

**Solitaire**

**Solitude**

*See also* Hermits

Soluble ferments *see* Enzymes

**Solution (chemistry)**

*See also* Boiling points; Chemistry; Chemistry, Physical; Physical; Colloids; Electrolysis; Ions; Osmosis

**Somnambulism**

*See also* Dreams; Hypnotism; Sleep

**Sonatas**

*See also* Musical form

Song of birds *see* Birds — Song

**Songs**

*See also* Anthems; Ballads; Campaign songs; Carols; Children's songs; Choruses and part songs; Church music; College songs; Drinking songs; Duets, Vocal; Folk songs; Glees; Hymns; Kindergarten — Games and songs; Lullabies; Lyric poetry; National songs; Negro songs; Sailors' songs; School music; Singing and voice culture; War songs

— **American**

*See also* Ballads, American; Campaign songs; Indians — Music; National songs; Negro songs; Songs, English

— **English**

*See also* Ballads, English; Songs, American; Songs, Irish; Songs, Scottish

— **Irish**

*See also* Ballads, Irish

— **Scores**

*See also* references under Songs

— **Scottish**

*See also* Ballads, Scottish

**Sonnets**

*See also* Lyric poetry

— **American**

*See also* American poetry; Sonnets, English

— **English**

*See also* English poetry; Sonnets, American

**Sophists**

*See also* Philosophy, Greek

Sorcery *see* Witchcraft

Sore throat *see* Throat

**Sorghum**

*See also* Molasses; Sugar

*Refer from* Homes (institutions) (s); Homes for the aged; Pensions; Soldiers

*Refer from* Monuments; Soldiers

*Refer from* Matter; Physics

*Refer from* [Cards; Games; Patience (game) (s)]

*Refer from* Conduct of life; Society

*Refer from* Chemistry; Chemistry, Physical; Fluids; Ions; Liquids; Osmosis

*Refer from* Dreams; Hypnotism; Medicine — Practice; Night; Psychology; Sleep; Sleepwalking (s); Sleepwalking (s)

*Refer from* Instrumental music; Music; Music — Scores; Musical form; Piano music; Piano music — Scores

*Refer from* Ballads; Carols; Folk songs; Glees; Lyric poetry; Music; Poetry; Singing and voice culture; Vocal music (s)

*Refer from* American poetry; American songs (s); Ballads, American; Music — U. S.; Songs, English

*Refer from* Ballads, English; English poetry; English songs (s); Music — England; Songs, American

*Refer from* Ballads, Irish; Irish poetry; Irish songs (s); Music — Ireland; Songs, English

*Refer from* Music — Scores

*Refer from* Ballads, Scottish; Music — Scotland; Scottish poetry; Scottish songs (s); Songs, English

*Refer from* Lyric poetry; Poetry

*Refer from* American literature; American poetry; American sonnets (s); Sonnets, English

*Refer from* English literature; English poetry; English sonnets (s); Sonnets, American

*Refer from* Philosophy; Philosophy, Greek

*Refer from* Forage plants; Molasses; Sugar

South American  
South Dakota

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Soteriology *see* Salvation

Soubriquets *see* Nicknames; Pseudonyms

Soul

*See also* Animal intelligence; Animism; Future life; Personality; Preëxistence; Psychology; Spiritual life; Transmigration

Sound

*See also* Acoustics of buildings; Ear; Hearing; Music; Noise; Phonetics; Phonograph; Physics; Radiation; Telephone; Voice

Sounding and soundings

Soup

*See also* Cookery

South (U. S.) *see* Southern states

South African war, 1899-1902

*See also* Jameson's raid, 1895-1896; Transvaal

South pole

*See also* Antarctic regions

Southern states

*See also* Confederate States of America; Creoles; Ku-Klux Klan; Mountaineers of the South; Negroes; Reconstruction; Slavery in the U. S.; Southwestern states; U. S. — History — Civil war; *also* names of states

Southwest (U. S.) *see* Southwestern states

Southwestern states

*See also* Santa Fé trail; Western states; *also* names of states

Sovereigns *see* Caliphs; Emperors; Kings and rulers; Monarchy; Queens and empresses

Sovereignty

*See also* Constitutional law; Government; Social contract; State rights

Space

*See also* Ether (of space); Fourth dimension; Space perception

Space perception

*See also* Perception; Senses and sensation

Space telegraphy *see* Wireless telegraphy

Spain — History

— To 1479

*See also* Moors in Spain

— 1479-1700

*See also* Armada, 1588; Reformation — Spain

— 1700-

*See also* Austrian succession, War of; Carlists; Peninsular war, 1807-1814; Spanish succession, War of; U. S. — History — War with Spain

Spanish America *see* Latin America

Spanish-American war, 1898, *see* U. S. — History — War with Spain

Spanish armada *see* Armada, 1588

Spanish inquisition *see* Inquisition

Spanish language [subdivided like German language]

*See also* Romance languages

*Refer from* Animism; Dualism; Ethics; Future life; Man; Materialism; Metaphysics; Personality; Philosophy; Preëxistence; Psychology; Salvation; Spirit (s); Theology; Transmigration

*Refer from* Acoustics (s); Ear; Music; Noise; Physics; Radiation; Senses and sensation; Vibration; Voice; Waves

*Refer from* Deep-sea sounding (s); Hydrography; Navigation; Ocean

*Refer from* Cookery

*Refer from* Anglo-Boer war (s); Boer war, 1899-1902 (s); Boers; Concentration camps; England — History — Victorian period; England — History — 1901-; Transvaal

*Refer from* Antarctic regions; Earth; Polar regions (s)

*Refer from* Negroes; Reconstruction; Slavery in the U. S.; South (U. S.) (s)

*Refer from* Southern states; Southwest (U. S.) (s); Western states

*Refer from* Constitutional law; Government; International law; Law

*Refer from* Astronomy; Metaphysics; Philosophy

*Refer from* Perception; Psychology, Physiological; Senses and sensation; Space

*Refer from* Moors in Spain

*Refer from* Armada, 1588; Reformation — Spain

*Refer from* Austrian succession, War of; Carlists; Peninsular war, 1807-1814; Spanish succession, War of

*Refer from* Romance languages



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**Spanish literature**

*See also* Authors, Spanish; Romance literature; Spanish poetry

**Spanish poetry**

*See also* Poets, Spanish; Spanish literature

**Spanish succession, War of, 1701-1714**

*See also* Europe — History — 1492-1789; Queen Anne's war; Spain — History — 1700-

Sparring *see* Boxing

**Sparrows**

*See also* Birds

Spas *see* Health resorts

Speakers *see* Orators; Recitations and readings

Speaking *see* Elocution; Oratory; Preaching; Rhetoric; Speech; Voice

Spear throwers *see* Throwing sticks

Specie *see* Gold (as money); Money; Silver (as money)

Specie payment *see* Money — U. S.; Silver (as money)

**Species**

*See also* Evolution; Hybridization; Natural selection; Plant breeding; Variation (biology)

**Specific gravity**

*See also* Gravitation; Hydrometer; Weights and measures

Specifications (building) *see* Building — Contracts and specifications

**Spectacles**

*See also* Eye; Lenses

Specters *see* Apparitions; Ghosts

**Spectra**

*See also* Light; Radioactivity; Spectroscopy; Spectrum analysis

Spectres *see* Apparitions; Ghosts

**Spectroscope**

*See also* Spectrum analysis

Spectroscopy *see* Spectrum analysis

Spectrum *see* Spectra; Spectrum analysis

**Spectrum analysis**

*See also* Spectra; Spectroscope

**Speculation**

*See also* Credit; Investments; Panics; Stock exchange; Stocks; Wall street

**Speech**

*See also* Animals — Language; Aphasia; Conversation; Deaf and dumb; Elocution; Language; Liberty of speech; Lip reading; Stammering; Voice

Speech of animals *see* Animals — Language

Speeches *see* After-dinner speeches; Orations; Oratory

*Refer from* Authors, Spanish; Romance literature; Spanish poetry

*Refer from* Poets, Spanish; Spanish literature

*Refer from* England — History — Stuarts; Europe — History — 1492-1789; France — History — Bourbons; Germany — History — 1517-1740; Spain — History — 1700-; War of the Spanish succession (s)

*Refer from* Birds

*Refer from* Biology; Evolution; Heredity; Natural selection; Origin of species (s); Transmutation of species (s); Variation (biology); Zoology

*Refer from* Density (s); Gravitation; Hydrostatics; Matter; Weights and measures

*Refer from* Eye; Eye-glasses (s); Optical instruments; Sight

*Refer from* Absorption spectra (s); Astronomy; Light; Radiation; Solar spectrum (s); Spectrum (s); Spectrum analysis; Stars; Sun

*Refer from* Astronomical instruments; Optical instruments; Spectra; Spectrum analysis

*Refer from* Analysis, Spectrum (s); Astronomy; Astrophysics; Chemistry; Light; Spectra; Spectroscope; Spectroscopy (s); Spectrum (s); Sun

*Refer from* Bucket shops (s); Commerce; Corners, Commercial (s); Economics; Finance; Investments; Panics; Stock exchange; Wall street

*Refer from* Language; Phonetics; Speaking (s); Voice



**Speed**

*See also* Velocity

Speleology *see* Caves

**Spellers**

*See also* Primers; Spelling

**Spelling**

*See also* Spellers; Spelling, English; Spelling reform; Transliteration; *also* names of languages other than English, e.g. German language — Spelling

**—English**

*See also* Spelling reform

**Spelling reform**

Spherical astronomy *see* Astronomy, Spherical and practical

Spherical trigonometry *see* Trigonometry

Sphragistics *see* Seals (numismatics)

**Sphygmograph****Spices**

*See also* Condiments; Essences and essential oils; *also* names of spices

**Spiders**

*See also* Arachnida

**Spies**

Spikes *see* Nails and spikes

Spinal meningitis *see* Meningitis

**Spine**

*See also* Meningitis; Nervous system; Skeleton

Spinnet *see* Piano

**Spinning**

*See also* Textile industry and fabrics; Yarn

**Spinsters**

Spiral gearing *see* Gearing

**Spires**

*See also* Church architecture; Towers

Spirit *see* Holy Spirit; Soul

Spiritism *see* Spiritualism

Spirits *see* Apparitions; Demonology; Ghosts; Spiritualism; Witchcraft

**Spiritual life**

*See also* Christian life and character; New thought; Sanctification

**Spiritualism**

*See also* Apparitions; Clairvoyance; Mind reading; Psychical research

Spirituuous liquors *see* Liquors

**Splashes**

Splicing *see* Knots and splices

Spoils system *see* Civil service

**Sponges**

*See also* Invertebrates

*Refer from* Aeronautics; Animal locomotion; Automobiles; High speed (s); Railroads; Velocity

*Refer from* Spelling; Textbooks

*Refer from* Language; Orthography (s); Phonetics; Spellers; Words

*Refer from* English language; English language — Orthography (s); English language — Spelling (s); English spelling (s); Spelling  
*Refer from* Phonetic spelling (s); Simplified spelling (s); Spelling; Spelling, English

*Refer from* Blood; Diagnosis; Heart

*Refer from* Agricultural products; Agriculture — Tropics; Condiments

*Refer from* Arachnida

*Refer from* Military art and science; Spying (s)

*Refer from* Backbone (s); Bones; Nervous system; Skeleton; Vertebral column (s)

*Refer from* Textile industry and fabrics; Yarn

*Refer from* Celibacy; Old maids (s); Women

*Refer from* Architecture; Church architecture; Steeples (s); Towers

*Refer from* Christian life and character; Conduct of life; Ethics; Life; Personal religion (s); Religion; Religion, Personal (s); Religious experience (s); Soul

*Refer from* Animism; Apparitions; Future life; Ghosts; Mediums (s); Miracles; Occult sciences; Philosophy; Psychical research; Religions; Slate writing (s); Spiritism (s); Spirits (s); Supernatural; Superstition; Table-moving (s); Theology

*Refer from* Capillarity; Liquids; Viscosity

*Refer from* Invertebrates; Marine zoology; Porifera (s)



Spontaneous combustion *see* Combustion

**Spontaneous generation**

*See also* Reproduction

**Sports**

*See also* Acrobats; Aeronautics; Amusements; Aquatic sports; Archery; Athletics; Automobile racing; Betting; Boats and boating; Boxing; Bullfights; Camping; Canoes and canoeing; Coasting; College athletics; Coursing; Cycling; Driving; Falconry; Fencing; Fishing; Gambling; Games, and names of games; Gymnastics; Horse racing; Horsemanship; Hunting; Ice boats; Jiu-jitsu; Kites; Land yachts; Mountaineering; Olympic games; Outdoor life; Physical education; Roller-skating; Rowing; Running; Sailing; Shooting; Skating; Skees and skee-running; Swimming; Tobogganing; Tournaments; Track athletics; Training; Trapping; Walking; Winter sports; Wrestling; Yachts and yachting

**Spraying**

*See also* Bordeaux mixture; Fruit — Diseases and pests; Fungicides; Insecticides

**Spring**

*See also* Seasons

**Springs**

*See also* Geysers and hot springs; Mineral waters; Sulphur springs; Water, Underground; Wells

Spying *see* Spies

Squabs *see* Pigeons

Square (instrument)

Squares, Magic, *see* Magic squares

Squaring of the circle *see* Circle-squaring

Stables *see* Barns and stables

Stacks (for books) *see* Shelving (for books)

Stage *see* Acting; Drama; Theater; Vaudeville

Stage-coaches *see* Coaches and coaching

Stage make-up *see* Make-up, Theatrical

**Stained glass**

*See also* Glass, Ornamental

**Stains and staining**

*See also* Graining; Wood finishing

**Stair building**

*See also* Railings

Stairs *see* Stair building

Stairways *see* Stair building

**Stammering**

**Stamp act, 1765**

*See also* U. S. — History — Revolution — Causes

*Refer from* Abiogenesis (s); Archegony (s); Biology; Generation, Spontaneous (s); Life — Origin; Reproduction

*Refer from* Adventure; Amusements; Aquatic sports; Athletics; Country life; Field sports (s); Games; Hunting; Manly exercise (s); Outdoor life; Pastimes (s); Physical education; Play; Recreation (s); Shooting; Winter sports

*Refer from* Bordeaux mixture; Fruit — Diseases and pests; Fruit culture; Fungicides; Gardening; Insecticides; Insects, Injurious and beneficial; Plants — Diseases; Trees — Diseases and pests

*Refer from* Seasons

*Refer from* Fountains; Geysers and hot springs; Physical geography; Water; Water, Underground; Wells

*Refer from* Carpenters' square (s); Carpentry; Measuring instruments; Steel square (s); Tools

*Refer from* Art; Decoration and ornament; Glass; Glass, Ornamental; Glass painting (s); Painted glass (s); Painting; Windows

*Refer from* Graining; Painting, Mechanical; Wood finishing; Woodwork

*Refer from* Architecture; Building; Carpentry; Stairs (s); Stairways (s)

*Refer from* Speech; Stuttering (s); Voice

*Refer from* Stamp duties; U. S. — History — Colonial period; U. S. — History — Revolution — Causes

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**Stamp duties**

*See also* Stamp act, 1765

**Stamps ~~see~~ Postage stamps**

**Standard of living**

*See also* Cost of living; Extravagance; Luxury; Thrift; Wages

Standard of value *see* Money; Value

Standard time *see* Time

Standards *see* Flags; Standards of length; Units; Weights and measures

**Standards of length**

Standing army *see* Armies

Star atlases *see* Astronomy — Atlases

**Stars**

*See also* Asteroids; Astrology; Astronomy; Astronomy — Atlases; Astrophysics; Meteors; Milky way; Parallax; Planets; Planispheres; Spectra; Zodiac

**Starvation**

*See also* Famines

State, The, *see* Government

State and education *see* Education and state

State banks *see* Banks and banking — U. S.

State church *see* Church and state; Church of England — Establishment

State constitutions *see* Constitutions, State

State debts *see* Debts, Public

**State ethics**

*See also* Political ethics; Social ethics

State fairs *see* Agricultural exhibitions

**State governments**

*See also* Constitutions, State; Local government; *also* names of states

State ownership *see* Government ownership

State publications *see* Government publications, and names of states, subhead Government publications

State regulation of industry *see* Government regulation of industry

**State rights**

*See also* Kentucky and Virginia resolutions, 1798; Nationalism, New; Nullification; Secession; States (U. S.)

State socialism *see* Socialism

State trials *see* Trials

**States (U. S.)**

*See also* Constitutions, State; State governments; State rights

States rights *see* State rights

Statesmanship *see* Diplomacy; Government

**Statesmen**

*See also* Diplomats; Governors; Ministers of state; Prime ministers; Senators

Static electricity *see* Electrostatics

**Statics**

*See also* Dynamics; Elasticity; Electrostatics; Graphic statics; Hydrostatics; Mechanics

*Refer from* Commerce; Internal revenue (s); Taxation

*Refer from* Conduct of life; Cost of living; Economics; Ethics; Home economics; Labor and laboring classes; Life; Living, Standard of (s); Luxury; Poor; Prices; Thrift; Wages

*Refer from* Length, Standards of (s); Standards (s); Weights and measures

*Refer from* Astronomy; Astrophysics; Constellations (s); Double stars (s); Sidereal system (s)

*Refer from* Diet; Famines; Fasting

*Refer from* Ethics; Ethics, National (s); Ethics, State (s); International law; International relations; National ethics (s); Social ethics

*Refer from* Constitutions, State; Federal government; Government; States (U. S.)

*Refer from* Federal government; Government; Government regulation of industry; Nullification; Secession; Sovereignty; States (U. S.); States rights (s); U. S.— Constitution

*Refer from* State rights; U. S.— States (s)

*Refer from* Biography; Government

*Refer from* Dynamics; Engineering; Equilibrium (s); Mechanics; Physics





**Stationery**

*See also* Ink; Paper  
Stations, Railroad, *see* Railroads — Stations

**Statistics**

*See also* Almanacs; Census; Church statistics; Population; Probabilities; Tabulating machines; Vital statistics; Yearbooks.  
For statistics of a special subject, country or place *see* its name

**Statues**

*See also* Monuments; Plaster casts; Sculpture

Statute of limitations *see* Limitations (law)

Statutes *see* names of countries and states

Staves *see* Cooperage

Stealing *see* Embezzlement; Larceny

**Steam**

*See also* Boilers; Condensers (steam); Steam engines; Steam heating; Steam launches; Steam navigation; Steam pipes; Steam turbines; Steamboats; Thermodynamics

Steam boilers *see* Boilers; Steam engines

**Steam engines**

*See also* Boilers; Calorimeters and calorimetry; Condensers (steam); Fire engines; Heat; Indicators for steam engines; Injectors; Link motion; Locomotives; Marine engines; Power plants, Steam; Railroads; Safety valves; Steam; Steam navigation; Steam turbines; Steamboats; Traction engines; Valves and valve gears

Steam fitting *see* Pipe fitting; Steam pipes

**Steam heating**

*See also* Heating; Hot water heating; Steam pipes

Steam injectors *see* Injectors

**Steam launches****Steam navigation**

*See also* Boilers, Marine; Marine engineering; Marine engines; Navigation; Steam engines; Steam turbines; Steamboats

**Steam pipes**

*See also* Pipe fitting; Steam heating

Steam plants *see* Power plants, Steam

Steam power plants *see* Power plants, Steam

Steam pumps *see* Pumps

**Steam turbines**

Steam yachts *see* Yachts and yachting

**Steamboat inspection****Steamboats**

*See also* Boilers, Marine; Bulkheads; Fire boats; Marine engines; Ocean travel; Propellers; Shipbuilding; Shipping; Steam launches; Steam navigation; Steamboat inspection; Steerage; Warships; Yachts and yachting

Steamers *see* Steamboats

Steamships *see* Steamboats

*Refer from* Manufactures; Paper

*Refer from* Census; Commerce; Economics; Government; History; Population; Sociology

*Refer from* Iconography (s); Monuments; Plaster casts; Sculpture

*Refer from* Boilers; Heat; Physics; Power; Steam engines; Thermodynamics; Vapor (s); Water

*Refer from* Boilers; Condensers (steam); Engineering; Engines; Heat engines; Indicators for steam engines; Locomotives; Machinery; Marine engines; Mechanical engineering; Mechanics; Motors; Power plants, Steam; Railroads; Safety valves; Steam; Steam boilers (s); Steam navigation; Thermodynamics; Valves and valve gears

*Refer from* Heating; Steam; Steam pipes

*Refer from* Boats and boating; Launches (s); Steam; Steamboats

*Refer from* Commerce; Inland navigation; Marine engineering; Navigation; Ships; Steam; Steam engines; Steamboats; Transportation

*Refer from* Pipe; Pipe fitting; Pipes (s); Steam; Steam fitting (s); Steam heating

*Refer from* Marine engineering; Marine engines; Steam; Steam engines; Steam navigation; Turbines

*Refer from* Inspection of steamboats (s); Maritime law; Steamboats

*Refer from* Navigation; Ocean travel; Propellers; Shipbuilding; Shipping; Ships; Steam; Steam engines; Steam navigation; Steamers (s); Steamships (s); Transportation; Vessels (s)

✓ Stock & the battles.

✓ ... ..

4 - " "

Boston

France

Germany

London

New York

Paris

St. Petersburg

**Steel**

*See also* Annealing; Armor plate; Bessemer process; Corrosion and anti-corrosives; Foundry work; Iron; Metallography; Metals; Nickel steel; Rails; Steel construction; Steel industry; Tool steel; Tubes

**Steel construction**

*See also* Bridges; Building; Concrete, Reinforced; Concrete construction; Corrosion and anti-corrosives; Girders; Graphic statics; High buildings; Roofs; Strains and stresses; Strength of materials

Steel engraving *see* Engraving

**Steel industry**

*See also* Iron industry; Rolling mills

Steel rails *see* Rails

Steel square *see* Square (instrument)

Steel ties *see* Railroads — Ties

Steel works *see* Steel industry

Steeplechasing *see* Horse racing

Steeple *see* Spires

**Steerage**

Stellar parallax *see* Parallax

**Stencil work**

Stencilling *see* Stencil work

Stenography *see* Shorthand

**Steppes****Stereochemistry**

*See also* Atoms; Chemistry, Physical; Isomerism

Stereography *see* Geometry

**Stereopticon**

*See also* Lantern slides

**Stereoscope****Stereotomy**

*See also* Stonecutting

**Stereotyping**

*See also* Electrotyping; Printing

**Stimulants**

*See also* Alcohol; Beverages; Coffee; Liquors; Tea; Temperance

**Stipple engraving**

*See also* Engraving

Stitches *see* Embroidery; Needlework

Stock breeding *see* Breeding; Live stock

Stock companies *see* Corporations; Joint-stock companies

**Stock exchange**

*See also* Banks and banking; Brokers and factors; Money; Panics; Speculation; Stocks; Wall street

Stock farming *see* Live stock

Stock raising *see* Live stock

Stockings *see* Hosiery

*Refer from* Annealing; Bessemer process; Building materials; Iron; Metallography; Metals

*Refer from* Architecture; Building; Civil engineering; Fireproof construction; Girders; Graphic statics; High buildings; Roofs; Steel

*Refer from* Iron industry; Manufactures; Rolling mills; Steel; Steel works (s)

*Refer from* Ocean travel; Steamboats

*Refer from* Arts and crafts; Decoration and ornament; Design, Decorative; Frescoes; Painting; Stencilling (s)

*Refer from* Physical geography; Plains

*Refer from* Atoms; Chemistry; Chemistry, Physical; Isomerism; Molecules; Polarization (light); Sugar

*Refer from* Lantern slides; Magic lantern (s); Optical instruments; Photography

*Refer from* Optical instruments

*Refer from* Geometry, Descriptive; Masonry; Stonecutting

*Refer from* Electrotyping; Printing

*Refer from* Beverages; Diet; Drugs; Food; Hygiene; Intoxicants (s); Medicine; Temperance; Therapeutics

*Refer from* Engraving; Etching

*Refer from* Arbitrage (s); Banks and banking; Brokers and factors; Business; Commerce; Corners, Commercial (s); Economics; Exchange; Finance; Money; Speculation; Stocks; Wall street



## 7 Stocks

*See also* Bonds; Corporations; Investments; Joint-stock companies; Securities; Stock exchange; Wall street

## Stoics

*See also* Philosophy, Greek

## Stomach

*See also* Digestion; Digestive system

## Stone

*See also* Blasting; Building stones; Granite; Marble; Masonry; Precious stones; Quarries and quarrying; Rocks; Sandstone; Stone age; Stone implements; Stonecutting

### —Artificial

*See also* Concrete

—Philosopher's, *see* Philosopher's stone

### Stone age

*See also* Archaeology; Man — Origin and antiquity; Picts; Stone implements

Stone-cutting *see* Stonecutting

### Stone implements

*See also* Indians — Implements and weapons; Industries, Primitive; Stone age

Stone quarries *see* Quarries and quarrying

### Stonecutting

*See also* Building stones; Sculpture; Stereotomy

Stones *see* Stone; Building stones; Precious stones

Stoneware *see* Pottery

### Storage batteries

*See also* Electric batteries

Stores *see* Business; Department stores

Stories *see* Children's literature; Fairy tales; Fiction; Kindergarten — Stories; Legends; Romances; Short stories; Story-telling

## Storms

*See also* Cyclones; Hail; Hurricanes; Insurance, Casualty; Meteorology; Rain; Snow; Thunderstorms; Tornadoes; Winds

## Story-telling

### Stoves

*See also* Aladdin oven; Fireless cookers; Heating; Ovens

### Strains and stresses

*See also* Arches; Bridges; Building; Elasticity; Girders; Graphic statics; Mechanics, Applied; Roofs; Strength of materials; Trusses

Strategy *see* Military art and science; Naval art and science

Stratigraphy *see* Geology, Stratigraphic

### Strawberries

*See also* Berries

*Refer from* Banks and banking; Bonds; Commerce; Corporations; Dividends (s); Economics; Exchange; Finance; Investments; Joint-stock companies; Negotiable instruments; Securities; Speculation; Stock exchange

*Refer from* Ethics; Materialism; Philosophy; Philosophy, Greek

*Refer from* Abdomen; Digestion; Digestive system

*Refer from* Building materials; Building stones; Geology; Geology, Economic; Masonry; Mineralogy; Quarries and quarrying; Rocks; Stones (s)

*Refer from* Artificial stone (s); Building materials; Concrete

*Refer from* Archaeology; Eolithic period (s); Man — Origin and antiquity; Neolithic period (s); Paleolithic period (s); Stone; Stone implements

*Refer from* Archaeology; Flint implements (s); Implements, utensils, etc.; Indians — Implements and weapons; Industries, Primitive; Stone; Stone age; Tools

*Refer from* Building stones; Masonry; Stereotomy; Stone; Stone-cutting (s)

*Refer from* Accumulators (s); Batteries (electric) (s); Electric batteries; Secondary batteries (s)

*Refer from* Blizzards (s); Cyclones; Disasters; Gales (s); Hurricanes; Meteorology; Thunderstorms; Tornadoes; Weather; Whirlwinds (s); Winds

*Refer from* Kindergarten; Stories (s); Teaching

*Refer from* Heating; Iron industry; Ovens

*Refer from* Architecture; Arches; Bridges; Building; Elasticity; Girders; Graphic statics; Mechanics, Applied; Roofs; Steel construction; Strength of materials; Stresses (s); Trusses

*Refer from* Berries

the 1990s, the number of people in the UK who are employed in the public sector has increased by 1.5 million, from 2.5 million in 1980 to 4 million in 1995. The public sector has become a major employer in the UK, and its growth has been a major factor in the overall growth of the economy.

The public sector has also become a major provider of social services, and its growth has been a major factor in the overall growth of the economy. The public sector has become a major provider of social services, and its growth has been a major factor in the overall growth of the economy.

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Streams *see* Rivers

Street cars *see* Cars; Street railroads

**Street cleaning**

*See also* Refuse and refuse disposal

**Street cries**

*See also* Peddlers and peddling

Street lighting *see* Lighting

**Street railroads**

*See also* Cable railroads; Electric railroads; Elevated railroads; Rapid transit; Subways; Suspended railways; *also* names of cities, subhead Street railroads

**Streets**

*See also* Asphalt; Pavements; Roads; Sidewalks; Street cleaning; *also* names of cities, subhead Streets

**Strength of materials**

*See also* Architecture; Building; Building materials; Elasticity; Girders; Graphic statics; Masonry; Strains and stresses; Trusses; *also* names of materials

Stresses *see* Strains and stresses

**Strikes and lockouts**

*See also* Arbitration and conciliation, Industrial; Blacklisting; Boycott; Labor and laboring classes; Labor unions; Open and closed shop; Riots; *also* special strikes, e.g. Anthracite coal strike, 1902

**String figures**

**Stringed instruments**

*See also* Guitar; Harp; Harpsichord; Musical instruments; Piano; Violin; Violoncello

Structural botany *see* Botany, Structural

**Stucco**

*See also* Cement; Gesso; Plaster and plastering

**Student life**

*See also* Class day; College athletics; College stories; Colleges and universities; Fraternities, College; Hazing; School stories; Students

Student self-government *see* Self-government (in education)

Student songs *see* College songs

**Student volunteer movement**

**Students**

*See also* Colleges and universities; Education; Student life; Student volunteer movement; Students' periodicals

**Students' periodicals**

*See also* Amateur journalism

*Refer from* Cities; Cleaning; Hygiene, Public; Municipal engineering; Refuse and refuse disposal; Roads; Sanitary engineering; Streets; Sweeping

*Refer from* Advertising; Cities; Cries (s); Peddlers and peddling

*Refer from* Electric railroads; Horse railroads (s); Public service corporations; Railroads; Rapid transit; Roads; Street cars (s); Tramways (s); Transportation

*Refer from* Cities; Civil engineering; Highways (s); Municipal engineering; Municipal improvement; Pavements; Roads; Thoroughfares (s)

*Refer from* Architecture; Building; Building materials; Civil engineering; Columns; Elasticity; Engineering; Graphic statics; Masonry; Materials, Strength of (s); Mechanics; Metals; Resistance of materials (s); Steel construction; Strains and stresses; Testing (s); Timber; Trusses

*Refer from* Arbitration and conciliation, Industrial; Boycott; Economics; Labor and capital; Labor and laboring classes; Labor unions; Lockouts (s); Riots

*Refer from* Amusements; Cat's cradle (s); Games

*Refer from* Bow (music) (s); Bowed instruments (s); Guitar; Harp; Musical instruments; Orchestras; Violin; Violoncello

*Refer from* Building materials; Cement; Decoration and ornament; Mural painting and decoration; Plaster and plastering

*Refer from* College life (s); College students (s); Colleges and universities; Hazing; School life (s); Students

*Refer from* Colleges and universities; Missionaries; Missions; Missions, Foreign; Students

*Refer from* College students (s); Colleges and universities; Education; Literary men (s); Student life

*Refer from* Amateur journalism; College periodicals (s); Colleges and universities; Journalism; Periodicals; Students



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**Study**

*See also* Education; Research; Scholars; Scientific research; Self-culture; Seminary method; Study clubs; *also* subhead Study and teaching under various subjects

**Study clubs**

*See also* Literary societies

Stuttering *see* Stammering

Style (in dress) *see* Costume; Fashion

Style, Literary, *see* Rhetoric

**Subconsciousness**

*See also* Faith cure; Hypnotism; Personality; Sleep

**Sublime**

*See also* Esthetics

**Submarine boats**

*See also* Submarine warfare; Torpedo boats

Submarine cables *see* Cables, Submarine

Submarine mines *see* Mines, Submarine

Submarine navigation *see* Submarine boats

Submarine telegraph *see* Cables, Submarine

**Submarine warfare**

*See also* Mines, Submarine; Submarine boats; Torpedo boats; Torpedoes

**Subsidies**

*See also* Bounties

Subsoiling *see* Tillage

Subterranean water *see* Water, Underground

Suburban houses *see* Architecture, Domestic; Country houses

**Subways**

*See also* Rapid transit; Tunnels

**Success**

*See also* Ambition; Business; Conduct of life; Fame; Leadership; Occupations; Opportunity; Popularity; Profession, Choice of; Thrift

Succession *see* Inheritance

**Suffering**

*See also* Affliction; Consolation; Pain

**Suffrage**

*See also* Ballot; Citizenship; Election laws; Elections; Naturalization; Negro suffrage; Representative government and representation; Woman suffrage

Suffragettes *see* Woman suffrage

Sufism *see* Sufism

**Sufism**

*See also* Mohammedanism

**Sugar**

*See also* Beets and beet sugar; Chemistry, Technical; Confectionery; Glucose; Molasses; Sorghum; Stereochemistry; Syrups

*Refer from* Education; School children; Self-culture; Teaching

*Refer from* Clubs; Courses of study (s); Literary societies; Self-culture; Study; Women's clubs

*Refer from* Consciousness; Habit; Hypnotism; Mind and body; Psychical research; Psychology; Sleep; Suggestion

*Refer from* Esthetics

*Refer from* Boats and boating; Naval art and science; Navigation; Shipbuilding; Ships; Submarine navigation (s); Submarine warfare; Torpedo boats; Warships

*Refer from* Naval art and science; Submarine boats

*Refer from* Bounties; Commerce; Ship subsidies (s); Shipping; Shipping subsidies (s); Transportation

*Refer from* Civil engineering; Engineering; Railroads; Railroads, Underground (s); Rapid transit; Street railroads; Tunnels; Underground roads (s)

*Refer from* Business; Commerce; Conduct of life; Ethics; Fortune (s); Luck (s); Opportunity; Self-help (s); Self-made men (s); Wealth; Young men

*Refer from* Pain

*Refer from* Ballot; Constitutional law; Democracy; Disfranchisement (s); Election laws; Elections; Elective franchise (s); Franchise (s); Government; Politics; Representative government and representation; Universal suffrage (s); Voting (s)

*Refer from* Mohammedanism; Mysticism; Sufism (s)

*Refer from* Agricultural products; Agriculture — Tropics; Beets and beet sugar; Chemistry, Technical; Food; Sorghum



Sugar beet *see* Beets and beet sugar

**Suggestion**

*See also* Animal magnetism; Hypnotism; Mental healing; Mental hygiene; New thought; Subconsciousness; Suggestive therapeutics; Thought transference

**Suggestive therapeutics**

*See also* Christian science; Emmanuel movement; Faith cure; Hypnotism; Mental healing

**Suicide**

Suits at law *see* Actions at law

**Sullivan's expedition, 1779**

*See also* U. S. — History — Revolution

**Sulphur**

*See also* Geology, Economic; Sulphur springs

**Sulphur springs**

*See also* Mineral waters

**Summer**

*See also* Seasons

Summer cottages *see* Cottages; *also* Architecture, Domestic; Country houses

**Summer resorts**

*See also* Health resorts

**Summer schools**

*See also* Teachers' institutes; Vacation schools

**Sumptuary laws**

**Sun**

*See also* Astronomy; Astrophysics; Eclipses; Parallax; Solar motors; Solar system; Spectra; Spectrum analysis; Sun spots

**Sun dance**

*See also* Indians — Dances

Sun-dials *see* Sundials

**Sun spots**

**Sun worship**

*See also* Sun dance

**Sunday**

*See also* Church attendance

**Sunday school entertainments**

*See also* Christmas entertainments; Church entertainments

**Sunday school lessons**

*See also* Bible — Question books; Bible — Study and teaching

**Sunday school libraries**

**Sunday schools**

*See also* Bible — Study and teaching; Religious education; Sunday school entertainments; Sunday school lessons; Sunday school libraries

**Sundials**

Sunstroke *see* Heatstroke

*Refer from* Animal magnetism; Autosuggestion (s); Hypnotism; Mental suggestion (s); Mind and body; Psychical research; Psychology

*Refer from* Faith cure; Hypnotism; Mental healing; Psychotherapy (s); Suggestion; Therapeutics

*Refer from* Crime and criminals; Death; Ethics; Insanity; Medical jurisprudence; Mental diseases; Murder

*Refer from* Iroquois Indians; U. S. — History — Revolution — Campaigns and battles

*Refer from* Chemical elements; Geology, Economic; Mines and mineral resources

*Refer from* Mineral waters; Springs; Sulphur

*Refer from* Seasons

*Refer from* Health resorts; Resorts (s); Vacations; Watering places (s)

*Refer from* Education; Schools; Vacation schools

*Refer from* Clothing; Economics; Extravagance; Law; Luxury

*Refer from* Astronomy; Astrophysics; Eclipses; Heat; Light; Solar heat (s); Solar physics (s); Solar system

*Refer from* Indians — Dances; Sun worship

*Refer from* Meteorology; Sun

*Refer from* Nature worship; Worship

*Refer from* Church work; Church polity; Ethics; Fasts and feasts; Religion; Sabbath (s); Theology

*Refer from* Church entertainments; Entertainments; Sunday schools

*Refer from* Bible — Study and teaching; Sunday schools

*Refer from* Children's literature; Libraries; Libraries, Sunday school (s); Sunday schools

*Refer from* Bible — Study and teaching; Bible classes (s); Children; Church work; Education; Religious education; Schools

*Refer from* Archaeology; Dialing (s); Dials (s); Gnomonics (s); Sun-dials (s); Timekeepers



Superintendents, School, *see* School superintendents and principals

**Supernatural**

*See also* Apparitions; Inspiration; Miracles; Psychical research; Religion; Spiritualism; Superstition; Theology

**Superstition**

*See also* Alchemy; Amulets; Apparitions; Astrology; Charms; Demonology; Devil; Divination; Dreams; Evil eye; Fairies; Fetishism; Folklore; Fortune telling; Ghosts; Halloween; Legends; Magic; Mythology; Occult sciences; Omens; Oracles; Palmistry; Relics; Religions; Second sight; Spiritualism; Supernatural; Totems and totemism; Vampires; Voodooism; Weather lore; Werewolves; Witchcraft

**Supply and demand**

*See also* Competition; Consumption (economics); Economics; Exchange; Prices; Value

**Suppuration**

*See also* Abscess; Inflammation; Ulcers

Supremacy of the pope *see* Popes — Authority and supremacy

Surities *see* Guaranties and sureties

**Surfaces**

Surgeons *see* Physicians and surgeons

**Surgery**

*See also* Accidents; Amputation; Anatomy; Anesthetics; Antiseptics; Appendicitis; Autopsy; Bandages and bandaging; Bloodletting; Bones; Deformities; Dentistry; Diagnosis; Dislocations; Dissection; First aid in illness and injury; Fractures; Medicine; Physicians and surgeons; Skin grafting; Surgery, Military; Surgery, Naval; Surgical instruments; Trephining; Tumors; Vivisection; Wounds

— **Military**

*See also* Ambulances; Battlefield relief; First aid in illness and injury; Surgery, Naval; Wounds

— **Naval**

*See also* Wounds

**Surgical instruments**

Surnames *see* Names, Personal

Surrogate law *see* Probate law and practice

**Surveying**

*See also* Altitudes; Civil engineering; Engineering; Geodesy; Geography, Mathematical; Hydrography; Logarithms; Mine surveying; Photographic surveying; Railroad engineering; Surveying instruments; Topographical drawing; Traverse tables; Trigonometry

**Surveying instruments**

*See also* Barometer; Compass; Micrometer; Planimeter; Sextant; Transit (instrument)

*Refer from* Miracles; Philosophy; Religion; Superstition

*Refer from* Delusions (s); Demonology; Divination; Errors, Popular; Evil eye; Folklore; Ghosts; Idolatry; Mythology; Religion; Supernatural; Witchcraft

*Refer from* Competition; Consumption (economics); Demand and supply (s); Economics; Exchange; Law of supply and demand (s); Prices; Tariff question; Value

*Refer from* Abscess; Inflammation; Pathology; Pus (s); Ulcers

*Refer from* Curved surfaces (s); Geometry; Geometry, Analytic

*Refer from* Accidents; Amputation; Anatomy; Bandages and bandaging; Dislocations; Fractures; Medicine; Medicine — Practice; Operations, Surgical (s); Wounds

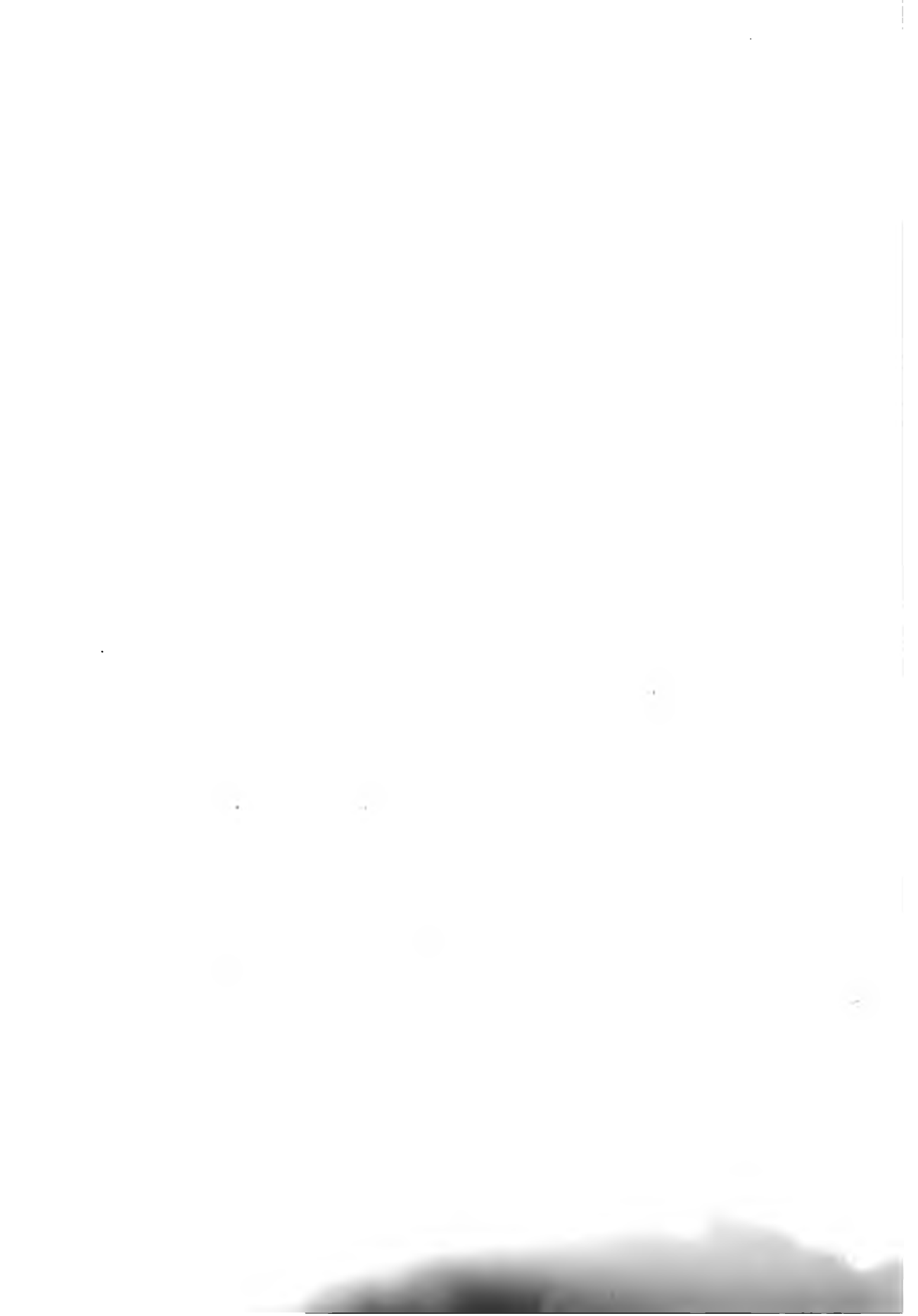
*Refer from* Battlefield relief; Medicine, Military; Military hygiene; Military surgery (s); Surgery

*Refer from* Naval surgery (s); Surgery; Surgery, Military

*Refer from* Instruments; Surgery

*Refer from* Civil engineering; Engineering; Geodetic surveying (s); Geodesy; Geography; Geography, Mathematical; Land; Land surveying (s); Leveling (s); Logarithms; Mathematics; Mensuration; Railroad engineering; Railroads; Topographical surveying (s); Topography (s); Traverse tables; Triangulation (s); Trigonometry

*Refer from* Instruments; Mathematical instruments; Sextant; Surveying; Transit (instrument)



Surveys *see* Geological surveys; Soil surveys;  
*also* names of countries and states, subhead  
Surveys

Survival of the fittest *see* Natural selection

Survivorship

Suspended animation

*See also* Burial, Premature; Drowning

Suspended railways

*See also* Cableways; Telferage

Suspended sentence *see* Probation system

Suspension bridges *see* Bridges

Svastika *see* Swastika

Swamps *see* Marshes

Swastika

Swearing

*See also* Oaths

Sweating system

*See also* Child labor; Consumers' leagues;  
Home labor; Women — Employment

Swedenborgianism *see* New Jerusalem church

Swedes in the U. S.

*See also* Scandinavians in the U. S.

Swedish language

*See also* Scandinavian languages

Swedish literature

*See also* Authors, Swedish; Scandinavian  
literature

Swedish movement cure

*See also* Gymnastics, Medical; Mechano-  
therapy

Sweeping

*See also* Brooms and brushes; Chimney  
sweeping; Street cleaning; Vacuum cleaning  
systems

Swimming

*See also* Aquatic sports; Baths and bath-  
ing; Diving

Swindlers and swindling

*See also* Antiques, Forged; Art forgeries;  
Fraud; Quacks and quackery

Swine

*See also* Feeding and feeding stuffs; Live  
stock; Ungulata; Veterinary medicine

Switchboards

Switches, Railroad, *see* Railroads — Switches

Swords

*See also* Arms and armor; Fencing

*Refer from* Inheritance; Law; Medical  
jurisprudence

*Refer from* Animation, Suspended (s);  
Death, Apparent (s); Drowning; Medicine —  
Practice

*Refer from* Cableways; Electric railroads;  
Monorailways (s); Mountain railroads; Rail-  
roads; Railroads — Single rail; Railroads,  
Suspended (s); Street railroads

*Refer from* Charms; Cross; Fylfot (s);  
Svastika (s); Symbolism

*Refer from* Ethics; Oaths; Profanity (s)

*Refer from* Child labor; Clothing; Consumers'  
leagues; Home labor; Hours of labor; Labor  
and laboring classes; Manufactures; Poor;  
Wages; Women — Employment

*Refer from* Scandinavians in the U. S.;  
U. S. — Foreign population

*Refer from* Germanic languages; Scandina-  
vian languages

*Refer from* Authors, Swedish; Scandinavian  
literature

*Refer from* Gymnastics, Medical; Massage;  
Mechanotherapy; Movement cure (s); Thera-  
peutics

*Refer from* Carpets; Cleaning; Floors; Home  
economics; House cleaning

*Refer from* Animal locomotion; Aquatic  
sports; Athletics; Baths and bathing; Diving;  
Drowning; Sports; Water

*Refer from* Crime and criminals; Delu-  
sions (s); Fraud; Humbug (s); Imposture;  
Quacks and quackery

*Refer from* Domestic animals; Hog (s);  
Hogs (s); Live stock; Pig (s); Pigs (s); Ungu-  
lata; Veterinary medicine

*Refer from* Dynamos; Electric apparatus and  
appliances; Electric lighting; Electric switch-  
boards (s); Electricity — Distribution; Tele-  
phone

*Refer from* Arms and armor; Broadsword (s);  
Fencing; Saber (s); Sabre (s); Weapons (s)





Syllogisms *see* Logic  
Symbolics *see* Creeds

**Symbolism**

*See also* Christian art and symbolism;  
Cross; Devices; Emblems; Scarabs; Swastika; Symbolism in literature  
Symbolism (theology) *see* Creeds  
Symbolism in literature

**Symmetry**

*See also* Esthetics; Proportion (art)

**Sympathy**

*See also* Emotions; Friendship

**Symphonies**

*See also* Orchestral music

Symptoms *see* Diagnosis

Synods *see* Councils and synods

**Synonyms and antonyms**

*See also* Synonyms and antonyms, English;  
*also* names of languages other than English  
—English

Synoptic Gospels *see* Bible — New Testament  
— Gospels

Syntax *see* Grammar

**Syrups**

*See also* Molasses

**Table**

*See also* Breakfasts; Carving (meat, etc.);  
Catering; Cookery; Dinners and dining;  
Eating; Food; Luncheons; Menus; Waiters  
Table-moving *see* Spiritualism

**Table-talk**

*See also* Anecdotes

Table tennis *see* Ping-pong

**Tableaux**

*See also* Amateur theatricals

Tables, Interest, *see* Interest tables

Tables, Mathematical, *see* Mathematics —  
Tables, etc.; Logarithms

**Tabulating machines**

Tachygraphy *see* Shorthand

**Tactics**

*See also* Artillery drill and tactics; Cavalry  
drill and tactics; Drill (military); Infantry  
drill and tactics; Military art and science;  
Military maneuvers; Naval tactics; War  
games

Taiping rebellion *see* Taiping rebellion

**Tailoring**

*See also* Dressmaking; Tailors

**Tailors**

**Taiping rebellion**

*See also* China — History

**Taj Mahal**

*Refer from* Art; Cross; Devices; Emblems;  
Religion

*Refer from* French literature; Idealism in  
literature; Literature; Symbolism

*Refer from* Esthetics; Proportion (art)

*Refer from* Compassion (s); Emotions;  
Ethics; Friendship

*Refer from* Instrumental music; Music;  
Music — Scores; Orchestral music

*Refer from* Antonyms (s); Language; Words

*Refer from* Dictionaries, English; English  
language; English language — Synonyms (s);  
English synonyms (s); Synonyms and anto-  
nyms

*Refer from* Sirups (s); Sugar

*Refer from* Catering; Cookery; Dinners  
and dining; Eating; Food; Home economics;  
Meals (s); Menus

*Refer from* Anecdotes; Aphorisms (s);  
Apothegms (s); Biography; Conversation;  
Epigrams; Humor; Sayings (s); Talking (s)

*Refer from* Amateur theatricals; Amuse-  
ments; Drama; Entertainments

*Refer from* Calculating machines; Census;  
Machinery; Statistics

*Refer from* Artillery drill and tactics; Cavalry  
drill and tactics; Drill (military); Infantry  
drill and tactics; Military art and science;  
Military maneuvers; Military tactics (s)

*Refer from* Clothing; Cutting (s); Dress-  
making; Fashion; Garment cutting; Needle-  
work

*Refer from* Biography; Tailoring

*Refer from* China — History; Taiping re-  
bellion (s)

*Refer from* Architecture, Oriental; Tombs



Takigraphy *see* Shorthand

**Talent**

*See also* Ability; Genius

Talismans *see* Amulets; Charms

Talking *see* Conversation; Table-talk

Talking machines *see* Phonograph

Tall buildings *see* High buildings

**Talmud**

Tambourine drill *see* Drills and marches

**Tamil language and literature**

*See also* Dravidian languages; Oriental literature

**Tammany Hall**

*See also* New York (city) — Government and politics

Tamul language and literature *see* Tamil language and literature

**Tanning**

*See also* Hides and skins; Leather

**Taoism**

*See also* China — Religion; Philosophy, Chinese

Taouism *see* Taoism

**Tapestry**

*See also* Bayeux tapestry; Drapery; Gobelin tapestry

**Target practice**

*See also* Gunnery; Rifle practice

✓ **Tariff**

*See also* Balance of trade; Commerce; Commercial treaties; Corn laws; Drawbacks; Economics; Reciprocity; Smuggling; Tariff question; Taxation; Warehouses

— U. S.

✓ *See also* U. S. — Revenue

**Tariff question**

*See also* Balance of trade; Economics; Reciprocity; Supply and demand

— Free Trade

— Protection

**Tartans**

*See also* Clans

**Tartars**

*See also* China — History; Manchuria; Mongols

Taste (esthetics) *see* Esthetics

**Taste (sense)**

*See also* Senses and sensation

*Refer from* Ability; Genius; Intellect

*Refer from* Bible — Old Testament; Hebrew literature; Jewish literature; Jews — Religion; Sacred books

*Refer from* Dravidian languages; Oriental languages; Oriental literature; Tamul language and literature (s)

*Refer from* Democratic party; New York (city) — Government and politics

*Refer from* Hides and skins; Industrial arts; Leather

*Refer from* China — Religion; Confucianism; Philosophy; Philosophy, Chinese; Religions; Taouism (s)

*Refer from* Arts and crafts; Decoration and ornament; Drapery; House decoration; Mural painting and decoration; Needlework; Textile design; Textile industry and fabrics; Wall paper

*Refer from* Artillery drill and tactics; Firearms; Gunnery; Infantry drill and tactics; Military art and science; Naval art and science; Rifle practice; Shooting

*Refer from* Balance of trade; Commerce; Commercial treaties; Customs (s); Duties (s); Economics; Exportation (s); Exports (s); Finance; Imports (s); Revenue (s); Taxation; Trade (s)

*Refer from* Taxation — U. S.; U. S. — Commerce; U. S. — Economic conditions; U. S. — Finance; U. S. — Politics; U. S. — Revenue; U. S. — Tariff (s)

*Refer from* Balance of trade; Campaign literature; Commerce; Economics; Free trade (s); Protection (s); Reciprocity; Tariff; U. S. — Politics

*Refer from* Clans; Costume — Scotland; Highlands of Scotland; Plaids (s); Scotch plaids (s)

*Refer from* China — History; Manchuria; Mongols; Tartars (s)

*Refer from* Senses and sensation

See references and subdivisions.

- See also - General to them.

See also - 1st index.

" Corporation.

" Income.

" Simultaneous.

" Money + credit.

" Securities.

Tatars *see* Tartars

Tattooing

Taverns *see* Hotels; Inns

↳ **Taxation** — *subdiv. by states*

*See also* Absenteeism; Appraising; Corporations — Taxation; Danegeld; Economics; Finance; Income tax; Inheritance and transfer tax; Internal revenue laws; Municipal finance; Poll tax; Railroads — Taxation; Scutage; Single tax; Stamp duties; Tariff; Taxation, Progressive; Tithes; Tobacco — Taxation; Unearned increment

— **Exemption from**

*See also* Church property

— **Progressive**

*See also* Income tax; Inheritance and transfer tax

— **U. S.**

*See also* Boston tea party, 1773; Tariff

— U. S.; U. S. — Revenue

**Taxidermy**

**Tea**

*See also* Beverages; Boston tea party, 1773

**Teachers**

*See also* Education; Educational associations; Educators; Normal schools; School superintendents and principals; Teachers' institutes; Teaching

— Certificates, *see* Teachers — Examinations and certificates

— **Examinations and certificates**

— Pensions, *see* Teachers — Salaries, pensions, etc.

— **Salaries, pensions, etc.**

— **Training**

*See also* Normal schools; Teachers' institutes

Teachers' certificates *see* Teachers — Examinations and certificates

Teachers' examinations *see* Teachers — Examinations and certificates

**Teachers' institutes**

*See also* Teachers — Training

Teachers' pensions *see* Teachers — Salaries, pensions, etc.

Teachers' salaries *see* Teachers — Salaries, pensions, etc.

**Teaching**

*See also* Busy work; Child study; Corporal punishment; Curriculum; Education; Ex-

*Refer from* Ethnology; Manners and customs

*Refer from* Appraising; Assessment (s); Direct taxation (s); Economics; Finance; Government; Income tax; Inheritance and transfer tax; Internal revenue (s); Land; Land tenure; Personal property; Property; Real estate; Revenue (s); Tariff

*Refer from* Church and state; Church finance; Church property; Colleges and universities; Exemption from taxation (s); Libraries; Private schools

*Refer from* Graduated taxation (s); Income tax; Inheritance and transfer tax; Progressive taxation (s); Proportional taxation (s); Taxation

*Refer from* U. S. — Economic conditions; U. S. — Finance; U. S. — Revenue; U. S. — Taxation (s)

*Refer from* Animals; Birds; Natural history; Zoology

*Refer from* Agricultural products; Agriculture — Tropics; Beverages; Stimulants

*Refer from* Biography; Education; Educators; Public schools; Schoolmasters (s); Teaching

*Refer from* Certificates, Teachers' (s); Examinations; Teachers — Certificates (s); Teachers' certificates (s); Teachers' examinations (s)

*Refer from* Civil service pensions; Pensions; Salaries; Teachers — Pensions (s); Teachers' pensions (s); Teachers' salaries (s)

*Refer from* Normal schools; Teachers' institutes; Teaching

*Refer from* Institutes, Teachers' (s); Summer schools; Teachers; Teachers — Training; Teaching

*Refer from* Didactics (s); Education; Instruction (s); Pedagogy (s); Professions;



**Teaching** — Continued

aminations; Kindergarten; Memory; Nature study; Object teaching; Psychology, Educational; Quincy system; School grading and promotions; School management; Seminary method; Story-telling; Study; Teachers; Teachers — Training; Teachers' institutes; *also* subhead Study and teaching under various subjects

**—Departmental system**

Technical chemistry *see* Chemistry, Technical  
**Technical dictionaries**

**Technical education**

*See also* Apprentices; Correspondence schools and courses; Foremen's schools; Forestry schools and education; Industrial education; Manual training; Mechanics' institutes; Mining schools and education; Professional education; Trade schools; Vocational education; *also* subhead Study and teaching under various subjects, e.g. Engineering — Study and teaching

**Technology**

*See also* Chemistry, Technical; Engineering; Industrial arts, and references under that subject; Manufactures; Metallurgy; Photography; Technical dictionaries; Technical education

**Teeth**

*See also* Dentistry

Tectotalism *see* Temperance

**Telautograph****Telegraph**

*See also* Cables, Submarine; Electric wire and wiring; Poles; Postal telegraph; Telautograph; Telegraph codes; Telephotography; Train despatching; Wireless telegraphy

—Postal, *see* Postal telegraph

—Submarine, *see* Cables, Submarine

—Wireless, *see* Wireless telegraphy

**Telegraph codes**

Telegraph poles *see* Poles

Telegraphic codes *see* Telegraph codes

Telegraphy *see* Telegraph

**Teleology**

*See also* Creation; Evolution; God; Metaphysics; Natural religion

Telepathy *see* Mind reading; Thought transference

**Telephone**

*See also* Electric wire and wiring; Microphone; Poles; Switchboards; Telephonograph

**—Wireless**

Telephone poles *see* Poles

**Telephonograph**

Telephony *see* Telephone

Public schools; School management; School teaching (s); Teachers; Training

*Refer from* Departmental system of teaching (s)

*Refer from* Dictionaries; Industrial arts; Technology

*Refer from* Education; Education, Higher (s); Education, Technical (s); Higher education (s); Industrial arts; Industrial education; Manual training; Polytechnic schools (s); Professional education; Science — Study and teaching; Technology; Vocational education

*Refer from* Applied science (s); Industrial arts; Manufactures; Science

*Refer from* Anatomy; Beauty, Personal; Dentistry; Digestive system; Mouth; Odontology (s)

*Refer from* Electric engineering; Telegraph

*Refer from* Ciphers; Communication; Electric engineering; Electric telegraph (s); Electricity; Public service corporations; Signals; Telegraphy (s)

*Refer from* Cable codes (s); Cipher codes (s); Ciphers; Codes, Telegraphic (s); Commerce; Communication; Telegraph; Telegraphic codes (s)

*Refer from* Causation; Creation; Design, Argument for (s); Evolution; Final cause (s); God; Metaphysics; Philosophy; Theology; Universe

*Refer from* Communication; Electric engineering; Electricity; Public service corporations; Sound; Telephony (s)

*Refer from* Wireless telephony (s)

*Refer from* Phonograph; Telephone





**Telephotography****Telescope**

*See also* Astronomical instruments

**Telpherage**

*See also* Cableways; Conveying machinery

**Temperament**

*See also* Character; Melancholy; Nervous system

**Temperance**

*See also* Alcohol; Alcohol — Physiological effects; Alcoholism; Beverages; Canteens (army); Drinking customs; Liquor laws; Liquor problem; Liquor traffic; Liquors, and names of liquors; Local option; Narcotic habit; Opium; Prohibition; Smoking; Stimulants; Tobacco

**Temperature**

*See also* Animal heat; Boiling points; Climate; Cold; Earth — Temperature; Heat; Melting points; Meteorology; Plants, Effect of temperature on

**Templars**

*See also* Chivalry. For the modern order *see* Freemasons — Templars

**Temples**

*See also* Architecture, Oriental; Church architecture; Mosques

Temporal power of the pope *see* Popes — Temporal power

**Temptation**

*See also* Evil; Fall of man; Jesus Christ — Temptation; Sin

Ten commandments *see* Commandments

Ten-hour day *see* Hours of labor

Ten pins *see* Bowling

Ten tribes of Israel *see* Jews — Lost tribes

Tenants *see* Landlord and tenant

**Tenement houses**

*See also* Apartment houses; Architecture, Domestic; Housing problem; Lodging houses; Poor; Slums

**Tennis**

*See also* Ping-pong; Rackets (game)

Tenpins *see* Bowling

**Tents**

*See also* Camping

Tenure of land *see* Land tenure

Tenure of office *see* Civil service

Teratology *see* Deformities; Monsters

Terminology *see* Names; *also* under subject, e.g. Botany — Nomenclature; Medicine — Nomenclature; Zoology — Nomenclature

**Terra cotta**

*See also* Pottery; Tiles

Terrariums *see* Vivariums

*Refer from* Photography; Telegraph

*Refer from* Astronomical instruments; Optical instruments; Reflecting telescope (s)

*Refer from* Cableways; Conveying machinery; Electricity; Suspended railways; Transportation

*Refer from* Character; Nervous system; Pathology; Psychology

*Refer from* Abstinence (s); Alcohol; Alcoholism; Beverages; Conduct of life; Drinking customs; Drunkenness (s); Ethics; Food; Hygiene; Inebriates (s); Intemperance (s); Intoxication (s); Liquor problem; Liquor traffic; Liquors; Prohibition; Saloons (s); Sociology; Stimulants; Teetotalism (s); Total abstinence (s); Wine

*Refer from* Climate; Cold; Heat; Meteorology

*Refer from* Chivalry; Freemasons — Templars; Knights and knighthood; Knights templars (military order) (s); Order of the temple (s); Religious orders; Secret societies

*Refer from* Archaeology; Architecture; Architecture, Ancient; Architecture, Greek; Architecture, Oriental; Church architecture; Religious architecture (s)

*Refer from* Ethics; Evil; Sin; Theology

*Refer from* Apartment houses; Architecture, Domestic; Building laws; Housing problem; Hygiene, Public; Landlord and tenant; Municipal improvement; Poor; Slums

*Refer from* Games; Lawn tennis (s)

*Refer from* Camping; Military art and science

*Refer from* Building materials; Decoration and ornament; Pottery

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Terrestrial magnetism *see* Magnetism, Terrestrial

Territories (U. S.) *see* U. S. — Territories

Terror, Reign of, *see* French revolution

Tertiary period *see* Geology, Stratigraphic — Tertiary; Paleontology — Tertiary

Testimony *see* Evidence

Testing *see* Strength of materials; *also* subject tested, e.g. Boilers — Testing; Electric testing

**Tetanus**

*See also* Antitoxins

**Teutonic knights**

*See also* Prussia — History

Teutonic languages *see* Germanic languages

Teutonic mythology *see* Mythology, Germanic

Teutonic order *see* Teutonic knights

**Teutonic race**

*See also* Anglo-Saxons; Aryans; Franks; Goths; Vandals

Teutons *see* Teutonic race

Text-books *see* Textbooks

**Textbooks**

*See also* Primers; Readers; Spellers

**Textile design**

*See also* Tapestry

Textile fabrics *see* Textile industry and fabrics

**Textile factories**

*See also* Looms; Textile industry and fabrics

Textile fibers *see* Fibers

**Textile industry and fabrics**

*See also* Blankets; Bleaching; Calico printing; Carpets; Chemistry, Technical; Clothing; Cotton; Cotton — Cultivation and manufacture; Dry goods; Dyes and dyeing; Embroidery; Fibers; Flax; Hosiery; Khaki; Linen; Mercerization; Rugs; Shawls; Silk; Spinning; Tapestry; Textile design; Textile factories; Underwear; Waterproofing; Weaving; Wool; Woolen manufacture; Worsted; Yarn

Thalassography *see* Hydrography; Marine biology; Ocean

**Thanksgiving day**

**Theater**

*See also* Acting; Actors; Amateur theatricals; Ballet; Drama; Make-up, Theatrical; Masques (plays); Minstrel shows; Miracle, morality and mystery plays; Moving pictures; Opera; Pantomime; Passion plays; Puppet plays; Scene painting; Shakespeare, William — Stage presentation; Theaters; Vaudeville

*Refer from* Lockjaw (s); Medicine — Practice; Trismus (s)

*Refer from* Chivalry; Knights and knighthood; Knights of the cross (s); Middle ages — History; Order of Teutonic knights (s); Poland — History; Prussia — History; Religious orders; Teutonic order (s)

*Refer from* Anglo-Saxons; Aryans; Civilization; Germanic race (s); Teutons (s)

*Refer from* Books; Education; School books (s); Text-books (s)

*Refer from* Calico printing; Decoration and ornament; Design, Decorative; Textile industry and fabrics

*Refer from* Cotton — Cultivation and manufacture; Cotton mills (s); Factories; Mills and millwork; Textile industry and fabrics; Woolen manufacture; Woolen mills (s)

*Refer from* Chemistry, Technical; Cloth (s); Clothing; Cotton; Cotton — Cultivation and manufacture; Dry goods; Fibers; Industrial arts; Linen; Manufactures; Silk; Spinning; Textile fabrics (s); Textile factories; Weaving; Wool; Woolen manufacture; Worsted; Yarn

*Refer from* Fast and feasts; Holidays; New England — Social life and customs; Pilgrim fathers; Puritans; U. S. — Social life and customs

*Refer from* Acting; Actors; Amusements; Drama; Entertainments; Ethics; Histronics (s); Stage (s); Theatre (s); Vaudeville



**Theater**—Continued

—U. S.

*See also* American drama; Dramatists, American

Theater buildings *see* Theaters

Theater fires *see* Fires; Theaters

**Theaters** [buildings]

*See also* Music halls; *also* names of cities, subhead Theaters

Theatre *see* Theater

Theatrical make-up *see* Make-up, Theatrical

Theatricals, Amateur, *see* Amateur theatricals

Theft *see* Larceny; *also* Embezzlement

**Theism**

*See also* Atheism; Christianity; Deism; God; Natural religion; Theology

Theme-writing *see* Rhetoric

**Theocracy**

Theodicy *see* God

Theological education *see* Theological schools;

Theology — Study and teaching

**Theological schools**

*See also* Theology — Study and teaching

**Theology** [including the Christian doctrines.

For history of religion *see* Religions.

For Christian evidences *see* Christianity — Evidences]

*See also* Absolute, The; Agnosticism; Angels; Annihilation; Antichrist; Antinomianism; Apostles; Apostolic canons; Apostolic constitutions; Apostolic succession; Arminianism; Atonement; Authority (in religion); Baptism; Belief; Bible; Calvinism; Catechisms; Celibacy; Christianity; Church; Church history; Church polity; Clergy; Confession; Confirmation; Conscience; Conversion; Creation; Creeds; Cross; Death; Deism; Depravity; Devil; Eschatology; Ethics; Evil; Faith; Fall of man; Fanaticism; Fathers of the church; Free religion; Freedom of the will; Future life; Future punishment; God; Grace (theology); Heaven; Hell; Heresy; Holy Spirit; Incarnation; Infallibility; Inspiration; Jesus Christ; Judgment day; Justification; Kingdom of God; Liberalism; Liberty of conscience; Lord's supper; Manicheism; Mass; Materialism; Millennium; Miracles; Modernism; Monotheism; Mysticism; Natural religion; Orthodoxy; Pantheism; Pelagianism; Penance; Philosophy; Plurality of worlds; Prayer; Predestination; Private judgment; Prophecies; Protestantism; Providence; Purgatory; Quietism; Rationalism; Regeneration (theology); Religion; Religion and science; Repentance; Resurrection; Revelation; Revivals; Sacraments; Sacrifice; Salvation; Sanctification; Second advent; Sects; Sermons; Sin; Skepticism; Socinianism; Soul; Spiritualism; Sunday; Teleology; Temptation; Theism; Theological schools; Transcendentalism; Transubstantiation; Trinity; Worship; *also* names of sects, and headings beginning Christian

*Refer from* American drama; U. S. — Theater (s)

*Refer from* Architecture; Opera houses (s); Theater; Theater buildings (s); Theater fires (s)

*Refer from* Atheism; Christianity; Deism; God; Philosophy; Religion; Theology

*Refer from* God; Government

*Refer from* Divinity schools (s); Education; Theological education (s); Theology; Theology — Study and teaching

*Refer from* Bible; Bible — Theology (s); Biblical theology (s); Christian doctrine (s); Christianity; Church history; Creation; Divinity (s); Doctrinal theology (s); Doctrines (s); Dogmatic theology (s); Faith; God; Natural religion; Philosophy; Religion; Revelation; Science; Sociology; Supernatural; Theism



**Theology** — Continued

- Natural, *see* Natural religion
- Pastoral, *see* Clergy; Pastoral work
- Practical, *see* Christian life and character
- **Study and teaching**  
*See also* Religious education; Theological schools

Theory of errors *see* Errors, Theory of

Theory of groups *see* Groups, Theory of

Theory of potential *see* Potential, Theory of

**Theosophy**

*See also* Cabala; Neoplatonism; Vedanta; Yoga

Therapeutic gymnastics *see* Gymnastics, Medical

**Therapeutics**

*See also* Anesthetics; Antiseptics; Antitoxins; Baths and bathing; Bloodletting; Christian science; Climate; Cupping; Diet; Drugs, and names of drugs; Electrotherapeutics; Emmanuel movement; Exercise; Faith cure; First aid in illness and injury; Gold cure; Gymnastics, Medical; Homeopathy; Hydrotherapy; Inoculation; Massage; Materia medica; Mechanotherapy; Medicine; Medicine — Practice; Mental healing; Mineral waters; Narcotics; Nurses and nursing; Organotherapy; Osteopathy; Pathology; Pharmacy; Phototherapy; Poisons; Purgatives; Radiotherapy; Rest; Serum therapy; Stimulants; Suggestive therapeutics; Swedish movement cure; X rays

Thermal springs *see* Geysers and hot springs

Thermochemistry *see* Chemistry, Physical

**Thermodynamics**

*See also* Heat; Heat engines; Steam; Steam engines

**Thermometer**

*See also* Calorimeters and calorimetry; Meteorological instruments; Pyrometers and pyrometry

**Thieves**

*See also* Brigands and robbers; Burglary; Embezzlement; Larceny

Thieving *see* Larceny

Thinking *see* Thought and thinking

Thirty-nine articles *see* Church of England — Articles of religion

**Thirty years' war, 1618-1648**

*See also* Europe — History — 1492-1789; Germany — History — 1517-1740; Sweden — History

Thorough bass *see* Harmony

Thoroughfares *see* Roads; Streets

**Thought and thinking**

*See also* Attention; Intellect; Logic; Mental discipline; Philosophy; Psychology; Reason

**Thought transference**

*See also* Clairvoyance; Mind reading; Presentiments; Psychical research

*Refer from* Church and education; Professional education; Religious education; Theological education (s); Theological schools

*Refer from* Buddhism; Buddhism, Esoteric (s); Esoteric Buddhism (s); Occult sciences; Philosophy; Religion; Religions; Vedanta

*Refer from* Healing (s); Hygiene; Materia medica; Medicine; Medicine — Practice; Pathology; Remedies (in medicine) (s)

*Refer from* Chemistry, Physical; Dynamics; Heat; Heat engines; Physics; Steam

*Refer from* Heat; Meteorological instruments; Physics

*Refer from* Biography; Brigands and robbers; Crime and criminals; Larceny

*Refer from* Counter-reformation; Europe — History — 1492-1789; Germany — History — 1517-1740; Reformation; Sweden — History

*Refer from* Intellect; Philosophy; Psychology; Psychology, Educational; Reason; Thinking (s)

*Refer from* Clairvoyance; Mind reading; Psychical research; Psychology; Suggestion; Telepathy (s)





Thremmatology *see* Breeding; Plant breeding

**Threshing**

**Thrift**

*See also* Benefit societies; Cost of living; Extravagance; Insurance; Insurance, Industrial; Investments; Misers; Old age pensions; Prudence; Savings banks; Standard of living

**Throat**

*See also* Bronchitis; Voice

**Throwing sticks**

**Thugs**

**Thunderstorms**

*See also* Lightning; Storms

**Tides**

*See also* Astronomy; Moon; Ocean

Ties, Railroad, *see* Railroads — Ties

**Tigers**

*See also* Carnivora

**Tiles**

*See also* Bricks; Clay industries; Pottery

**Tillage**

*See also* Agricultural physics; Agriculture; Dry farming; Plows; Soils

**Timber**

*See also* Building materials; Dry rot; Forests and forestry; Lumber and lumbering; Strength of materials; Trees; Wood

— Preservation, *see* Wood — Preservation

**Time**

*See also* Almanacs; Astronomy; Astronomy, Spherical and practical; Calendar; Chronograph; Chronology; Daylight saving; Days; Eternity; Timekeepers

Time, Reaction, *see* Reaction time

**Timekeepers**

*See also* Clocks and watches; Pendulums; Sundials

**Tin**

*See also* Bronze; Metals; Pewter; Tinsmithing

**Tinsmithing**

*See also* Sheet-metal work

Tintype *see* Ferrottype

**Tipping**

**Tires**

*See also* Automobiles; Wheels

Tissues *see* Histology

**Tithes**

*See also* Church finance; Church rates

**Title-pages**

*See also* Colophons; Titles of books

*Refer from* Agriculture; Grain

*Refer from* Conduct of life; Cost of living; Economics; Economy (s); Extravagance; Investments; Poor; Prudence; Saving (s); Savings banks; Standard of living; Success

*Refer from* Anatomy; Bronchitis; Respiratory organs; Sore throat (s); Voice

*Refer from* Arms and armor; Atlatl (s); Spear throwers (s)

*Refer from* Brigands and robbers; Crime and criminals; Crime and criminals — India; Murder; Phansigars (s)

*Refer from* Lightning; Meteorology; Storms

*Refer from* Astronomy; Hydrography; Moon; Ocean; Physical geography

*Refer from* Carnivora; Hunting

*Refer from* Bricks; Building materials; Clay industries; Pottery; Terra cotta

*Refer from* Agricultural physics; Agriculture; Cultivating (s); Dry farming; Harrowing (s); Plowing (s); Soils; Subsoiling (s)

*Refer from* Building materials; Forest products; Forests and forestry; Lumber and lumbering; Trees; Wood

*Refer from* Astronomy; Astronomy, Spherical and practical; Calendar; Chronology; Metaphysics; Philosophy; Standard time (s)

*Refer from* Clocks and watches; Horology (s); Machinery; Manufactures; Time

*Refer from* Metals; Mines and mineral resources; Sheet-metal work

*Refer from* Industrial arts; Sheet-metal work; Tin

*Refer from* Manners and customs; Servants; Travel; Waiters

*Refer from* Automobiles; Bicycles and tricycles; Pneumatic tires (s); Rubber tires (s); Wheels

*Refer from* Church finance; Church law; Church of England — Finance; Church polity; Church rates; Taxation

*Refer from* Books; Colophons; Printing; Titles of books



**Titles (land)** *see* Land titles

**Titles of books**

*See also* Copyright; Title-pages

**Titles of honor and nobility**

*See also* Decorations of honor; Degrees, Academic; Heraldry; Peerage

Titration *see* Chemistry — Analysis

**Toads**

*See also* Amphibia; Frogs

Toadstools *see* Mushrooms

**Toasts**

*See also* After-dinner speeches

**Tobacco**

*See also* Cigarettes; Cigars; Pipes, Tobacco; Smoking; Snuff

—Cultivation

—Diseases and pests

—Manufacture and trade

*See also* Tobacco — Taxation

—Pests, *see* Tobacco — Diseases and pests

—Physiological effects

*See also* Smoking

—Taxation

—Trade, *see* Tobacco — Manufacture and trade

Tobacco pipes *see* Pipes, Tobacco

**Tobogganing**

*See also* Coasting; Winter sports

Toes *see* Foot

**Toilet**

*See also* Baths and bathing; Beauty, Personal; Cosmetics; Costume; Hairdressing; Manicuring; Perfumery

Toleration *see* Liberty of conscience; Religious liberty

**Toltecs**

*See also* Aztecs; Indians of Mexico; Mexico — Antiquities

**Tombs**

*See also* Brasses; Burial; Catacombs; Cemeteries; Cromlechs; Crypts; Epitaphs; Holy sepulcher; Monuments; Mounds and mound builders; Sarcophagi; Taj Mahal; Tombstones; Vaults

**Tombstones**

*See also* Epitaphs; Monuments

**Tonic sol-fa**

**Tool steel**

**Tools**

*See also* Bone implements; Carpentry; Farm implements and machinery; Files and rasps; Implements, utensils, etc.; Indians — Implements and weapons; Machine tools; Machinery; Saws; Square (instrument); Stone implements; Tool steel

**Topiary work**

*Refer from* Bibliography; Book titles (s); Books; Cataloging; Copyright; Title-pages

*Refer from* Decorations of honor; Heraldry; Honorary titles (s); Peerage

*Refer from* Amphibia; Frogs

*Refer from* After-dinner speeches; Dinners and dining; Drinking customs; Epigrams; Healths, Drinking of (s); Manners and customs

*Refer from* Agricultural products; Agriculture — Tropics; Cigars; Narcotics; Pipes, Tobacco; Smoking; Temperance

*Refer from* Agricultural pests; Plants — Diseases; Tobacco — Pests (s)

*Refer from* Manufactures; Tobacco — Trade (s)

*Refer from* Hygiene; Smoking

*Refer from* Taxation; Tobacco — Manufacture and trade

*Refer from* Coasting; Sports; Winter sports

*Refer from* Beauty, Personal; Clothing; Cosmetics; Costume; Hairdressing

*Refer from* Aztecs; Indians of Mexico; Mexico — Antiquities

*Refer from* Archaeology; Architecture; Burial; Cemeteries; Christian antiquities; Crypts; Graves (s); Mausoleums (s); Monuments; Rock tombs (s); Sepulchers (s); Vaults

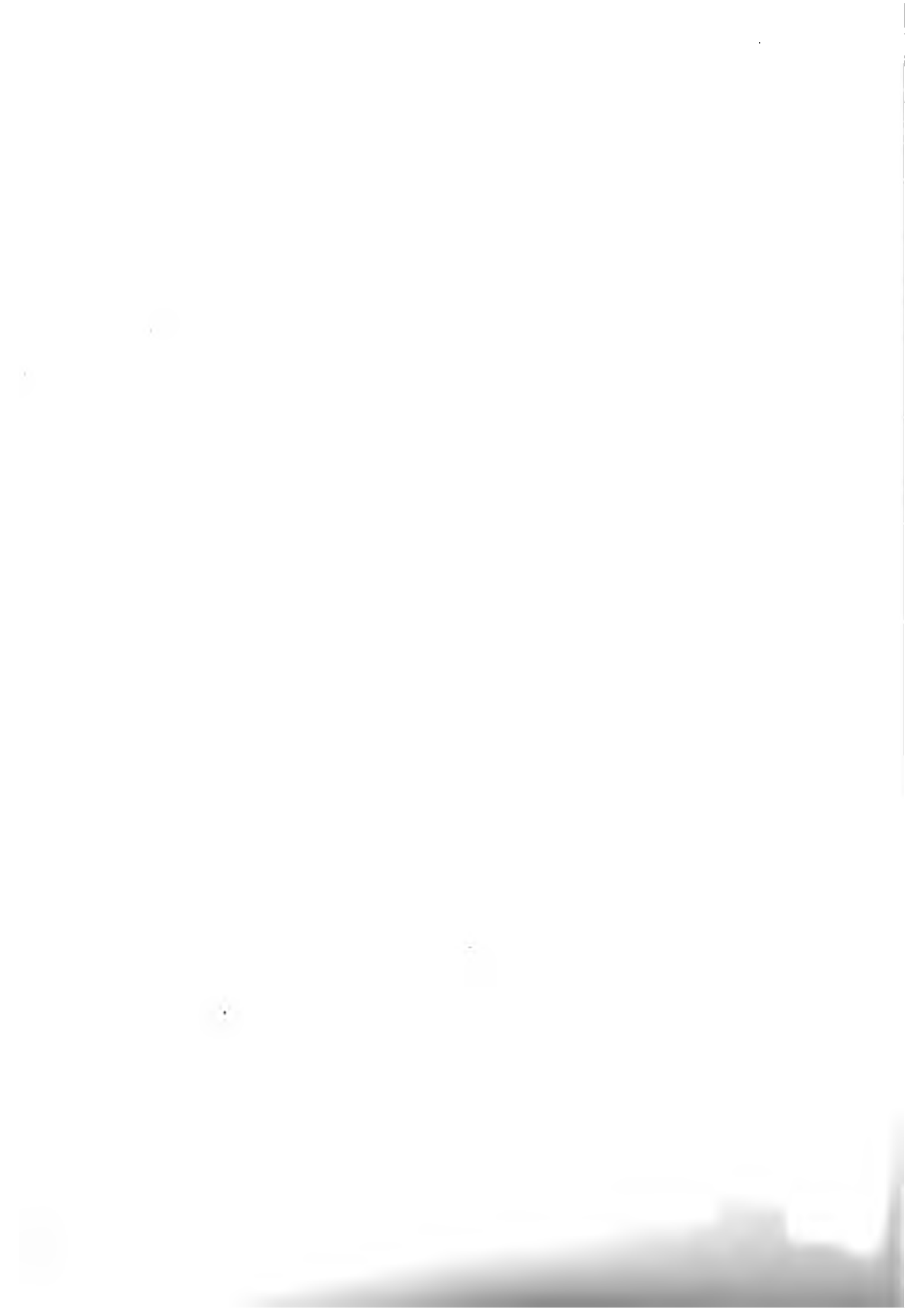
*Refer from* Epitaphs; Gravestones (s); Headstones (s); Monuments; Tombs

*Refer from* Music — Notation; Sight reading; Singing and voice culture; Sol-fa system (s)

*Refer from* Machine tools; Steel; Tools

*Refer from* Carpentry; Hardware; Implements, utensils, etc.; Industrial arts; Instruments; Machinery

*Refer from* Landscape gardening; Shrubs; Trees



**Topographical drawing**

*See also* Map drawing

Topographical surveying *see* Surveying

Topography *see* Geography; Surveying; Topographical drawing

**Tops**

Tories, American, *see* Loyalists, American

**Tories, English**

*See also* England — History; England — Politics

**Tornadoes**

*See also* Cyclones; Storms

**Torpedo boats**

*See also* Submarine boats; Torpedoes

**Torpedoes**

*See also* Mines, Submarine; Torpedo boats

**✓Torrens system**

*See also* Conveyancing

**Torts**

*See also* Damages; Libel and slander; Trespass

**Torture**

*See also* Inquisition; Punishment

Total abstinence *see* Temperance

Total depravity *see* Depravity; Sin

**Totems and totemism**

*See also* Animal worship

**Touch**

*See also* Senses and sensation

**Tournaments**

*See also* Chivalry

**Towers**

*See also* Architecture; Round towers; Spires

**Town meeting**

*See also* Local government; Towns

**Town officers**

*See also* Constables; Police

**Towns**

*See also* Boroughs; Cities; Local government; Municipal corporations; Municipal government; Town meeting; Town officers; Villages

Townships *see* Towns

Toxicology *see* Poisons

**Toxins**

*See also* Antitoxins; Poisons; Ptomaines

**Toys**

*See also* Dolls; Electric toys; Tops

Track, Railroad, *see* Railroads — Track

*Refer from* Drawing; Geography, Mathematical; Map drawing; Surveying; Topography

*Refer from* Toys

*Refer from* England — History; England — Politics; Political parties

*Refer from* Cyclones; Meteorology; Storms; Winds

*Refer from* Boats and boating; Naval art and science; Shipbuilding; Ships; Submarine boats; Submarine warfare; Torpedoes; Warships

*Refer from* Explosives; Military art and science; Mines, Submarine; Naval art and science; Submarine warfare; Torpedo boats

*Refer from* Conveyancing; Deeds; Land titles; Real estate

*Refer from* Injuries (s); Law; Libel and slander; Wrongs (s)

*Refer from* Inquisition; Punishment

*Refer from* Animal worship; Ethnology; Indians — Religion; Mythology; Nature worship; Religion; Rites and ceremonies; Superstition; Tribes and tribal system; Worship

*Refer from* Feeling (s); Senses and sensation

*Refer from* Chivalry; Festivals; Fighting (s); Sports

*Refer from* Architecture; Church architecture; Spires

*Refer from* Democracy; Government; Local government; Towns

*Refer from* Local government; Towns

*Refer from* Boroughs; Cities; Government; Local government; Municipal corporations; Town meeting; Townships (s); Villages

*Refer from* Pathology; Poison (s); Poisons; Ptomaines

*Refer from* Amusements; Games

✓ .... checks

**Track athletics**

*See also* Athletics; College athletics; Running; Walking

**Tracking**

*Refer from* Athletics; College athletics; Field sports (s); Running; Sports  
*Refer from* Game; Hunting; Scent (s); Scouts and scouting; Trailing (s)

**Tract societies**

*See also* Bible — Publication and distribution; Tracts

*Refer from* Missions; Societies; Tracts

Tractarianism *see* Oxford movement

**Traction engines**

*Refer from* Engines; Farm motors; Locomotives; Road engines (s); Steam engines

**Tracts**

*See also* Tract societies

Trade *see* Business; Commerce; Tariff

Trade, Balance of, *see* Balance of trade

Trade, Boards of, *see* Boards of trade

*Refer from* Colportage (s); Literature; Tract societies

**Trade agreements**

*See also* Arbitration and conciliation, Industrial

*Refer from* Arbitration and conciliation, Industrial; Collective bargaining (s); Contracts; Employers' associations; Labor unions

**Trade-marks**

*See also* Patents; Printers' marks

*Refer from* Commerce; Law; Manufactures; Partnership; Patents

**Trade schools**

*See also* Industrial education

*Refer from* Education; Industrial education; Manual training; Schools; Technical education; Trades schools (s); Vocational education

Trade unions *see* Labor unions

Trade winds *see* Winds

Trades *see* Industrial arts; Occupations

Trades combination *see* Combination, Industrial; Labor unions

Trades schools *see* Trade schools

Trades waste *see* Refuse and refuse disposal; Waste products

**Trading companies**

*See also* Commerce — History; Hudson Bay company

*Refer from* Commerce; Commerce — History

Traditions *see* Folklore; Legends

**Tragedy**

*See also* Drama

*Refer from* Drama

Trailing *see* Tracking

Trails *see* Indian trails; *also* names of trails, e.g. Oregon trail, Salt Lake trail, Santa Fé trail

**Train despatching**

*Refer from* Railroads; Railroads — Management; Telegraph

Trained nurses *see* Nurses and nursing

**Training**

*See also* Animals — Training; Athletics; Education; Gymnastics; Horse training; Physical education; Teaching

*Refer from* Athletics; Exercise; Hygiene; Physical education; Sports

**Tramps**

*See also* Begging; Unemployed; Wayfaring life

*Refer from* Begging; Crime and criminals; Poor; Unemployed; Vagabonds (s); Vagrancy (s); Wayfaring life

Tramways *see* Street railroads

**Transcendentalism**

*See also* Brook Farm

*Refer from* Idealism; Philosophy; Philosophy, American; Philosophy, German; Philosophy, Modern; Rationalism; Theology

Transcontinental journeys (U. S.) *see* Overland journeys to the Pacific

Transfer tax *see* Inheritance and transfer tax

Transfiguration of Jesus Christ *see* Jesus Christ — Transfiguration

Transformers *see* Electric transformers



✓ To collect and collect in the line

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Number of

**Transit** *see* Rapid transit; Transportation

**Transit (instrument)**

*See also* Astronomical instruments; Surveying instruments

**Transits**

*See also* Astronomy; Planets; *also* names of planets

**Translation**

**Transliteration**

**Transmigration**

*See also* Preëxistence; Soul

**Transmission (biology)** *see* Heredity

**Transmission of power** *see* Electric power transmission; Power transmission

**Transmutation of metals** *see* Alchemy

**Transmutation of species** *see* Species; Variation (biology)

**Transportation**

*See also* Aeronautics; Animals — Transportation; Automobiles; Canals; Carriages; Carriers; Commerce; Communication; Demurrage; Electric railroads; Express companies; Ferries; Freight; Harbors; Inland navigation; Marketing of farm produce; Omnibuses; Pack transportation; Packing for shipment; Pneumatic tubes; Postal service; Railroads; Rapid transit; Roads; Shipping; Steam navigation; Steamboats; Street railroads; Subsidies; Telferage; Vehicles; Waterways

**Transportation of animals** *see* Animals — Transportation

**Transportation of criminals** *see* Penal colonies

**Transubstantiation**

*See also* Lord's supper; Mass

**Trapping**

*See also* Fur trade; Hunting; Poaching

**Trappists**

*See also* Cistercians

**Traps (plumbing)** *see* Plumbing

**Travel** [for books on the art of travel]

*See also* Baggage; Ocean travel; Passports; Pilgrimages; Tipping; Voyages and travels

**Travelers** *see* *Travelers*

*See also* Commercial travelers; Explorers; Voyages and travels

**Traveling libraries** *see* Libraries, Traveling

**Traveling salesmen** *see* Commercial travelers

**Travels** *see* Voyages and travels; *also* names of countries, subhead Description and travel

**Travels around the world** *see* Voyages and travels around the world

**Traverse tables**

*See also* Navigation; Surveying

**Treacle** *see* Molasses

**Treason**

*See also* Allegiance

**Treasure-trove**

*Refer from* Astronomical instruments; Surveying instruments

*Refer from* Astronomy; Eclipses; Planets

*Refer from* Language; Literature; Rhetoric

*Refer from* Alphabet; Language; Spelling

*Refer from* Animism; Future life; Metempsychosis (s); Preëxistence; Reincarnation (s); Soul

*Refer from* Carriers; Commerce; Commercial geography; Communication; Economics; Freight; Interstate commerce; Locomotion; Railroads; Shipping; Transit (s); Vehicles

*Refer from* Catholic church; Jesus Christ; Lord's supper; Mass; Real presence (s); Theology

*Refer from* Fur trade; Game; Hunting; Sports

*Refer from* Cistercians; Monasticism

*Refer from* Locomotion; Ocean travel; Voyages and travels

*Refer from* Biography; Explorers; Voyagers (s); Voyages and travels

*Refer from* Latitude and longitude; Mathematics — Tables, etc.; Navigation; Surveying

*Refer from* Crime and criminals; High treason (s); Law; Murder; Political offenses

*Refer from* Adventure; Buried treasure (s); Pirates



**Treaties**

*See also* Arbitration, International; Commercial treaties; Diplomacy; Holy alliance; International law; International relations; Triple alliance, 1883-; *also* names of countries, subhead Treaties

Treatment of animals *see* Animals—Treatment

**Tree planting**

*See also* Arbor day; Forest planting

**Tree worship**

*See also* Animism

**Trees**

*See also* Arbor day; Bark; Botany; Evergreens; Forest nurseries; Forest planting; Forests and forestry; Fruit; Grafting; Hedges; Landscape gardening; Leaves; Lumber and lumbering; Nuts; Pruning; Timber; Topiary work; Tree planting; Tree worship; *also* names of trees, e.g. Oaks

**—Diseases and pests**

*See also* Fruit—Diseases and pests; Gipsy moth; Insects, Injurious and beneficial; Plants—Diseases; Spraying

**—Fossil**

*See also* Petrified forests

**—Historic**

*See also* Preservation of landmarks, scenery, etc.

**Trent affair, 1861**

*See also* U. S.—History—Civil war—Foreign relations

Trepanning *see* Trephining

**Trephining****Trespass**

*See also* Easements

**Trestles**

*See also* Bridges

Trial by combat *see* Wager of battle

Trial by jury *see* Jury

**Trials**

*See also* Actions at law; Courts martial; Evidence; Expert evidence; Impeachment; Jury; Ordeals; Pleading and practice; Witnesses

Triangulation *see* Geodesy; Surveying

Triassic period *see* Geology, Stratigraphic—Triassic; Paleontology—Triassic

Tribal system *see* Tribes and tribal system

**Tribes and tribal system**

*See also* Clans; Consanguinity; Family; Patriarchy; Society, Primitive; Totems and Totemism; Village communities

Tricycles *see* Bicycles and tricycles

Tricycling *see* Cycling

**Trigonometry**

*See also* Geodesy; Geometry; Logarithms; Mathematics; Mensuration; Navigation; Surveying

*Refer from* Diplomacy; Government; History; International law; International relations; Ministers of state

*Refer from* Arbor day; Arboriculture (s); Forest planting; Forests and forestry; Neighborhood improvement; Planting (s); Trees

*Refer from* Animism; Fetishism; Nature worship; Trees; Worship

*Refer from* Agriculture; Arboriculture (s); Bark; Botany; Dendrology (s); Evergreens; Forests and forestry; Landscape gardening; Leaves; Shrubs; Silviculture (s); Timber; Wood

*Refer from* Agricultural pests; Fruit—Diseases and pests; Insects, Injurious and beneficial; Plants—Diseases

*Refer from* Fossil plants; Fossil trees (s); Fossil wood (s); Petrified forests; Wood, Fossil (s)

*Refer from* Historic trees (s); History; Preservation of landmarks, scenery, etc.

*Refer from* Contraband of war; Neutrality; U. S.—History—Civil war—Foreign relations

*Refer from* Brain; Skull; Surgery; Trepanning (s)

*Refer from* Law; Property; Torts

*Refer from* Bridges; Railroads; Railroads—Construction

*Refer from* Actions at law; Courts; Crime and criminals; Criminal law; Jury; Law; Pleading and practice; State trials (s)

*Refer from* Anthropology; Civilization; Clans; Communism; Family; Government; Patriarchy; Society, Primitive; Tribal system (s); Village communities

*Refer from* Geometry; Logarithms; Mathematics; Spherical trigonometry (s); Surveying



**Trilobites**

*See also* Crustacea

**Trinity**

*See also* Arianism; Athanasian creed; God; Holy Spirit; Jesus Christ; Jesus Christ — Divinity; Socinianism; Unitarianism

**Triple alliance, 1883-**

*See also* Europe — History — 1789-

**Trismus *see* Tetanus**

Triumphal arches *see* Arches of triumph

Troglodytes *see* Cave dwellers

Trolley lines *see* Electric railroads

Tropical agriculture *see* Agriculture — Tropics

Tropical diseases *see* Tropics — Diseases and hygiene

Tropical hygiene *see* Tropics — Diseases and hygiene

Tropical medicine *see* Tropics — Diseases and hygiene

**Tropical plants****Tropics**

*See also* Acclimatization; Agriculture — Tropics; Tropical plants

**— Diseases and hygiene**

*See also* Acclimatization; Cholera, Asiatic; Medical geography; Sleeping sickness; Yellow fever

Trotting *see* Horse; Horse racing

**Troubadours**

*See also* Provençal literature; Trouvères

Trouble *see* Affliction; Misfortune

**Trout**

*See also* Fish; Salmon

**Trouvères**

*See also* Fabliaux; Troubadours

**Truancy**

*See also* School attendance; Truant schools

**Truant schools**

*See also* Parental schools

Truck farming *see* Market gardening

Trumpet calls *see* Bugle calls

**Trusses**

*See also* Bridges; Building; Girders; Roofs; Strains and stresses; Strength of materials

**Trust companies**

*See also* Banks and banking; Trustees

*Refer from* Crustacea; Paleontology

*Refer from* Arianism; God; Holy Spirit; Humanitarianism (theology) (s); Jesus Christ; Jesus Christ — Divinity; Socinianism; Theology; Unitarianism

*Refer from* Alliance, Triple (s); Austria — Foreign relations; Austria — History; Europe — History — 1789-; Europe — Politics; Germany — Foreign relations; Germany — History — 1866-; International relations; Italy — Foreign relations; Italy — History — 1815-; Treaties

*Refer from* Botany; Plants; Tropics

*Refer from* Acclimatization; Earth; Geography; Physical geography

*Refer from* Hygiene; Hygiene, Tropical (s); Medical geography; Medicine — Practice; Medicine — Tropics (s); Tropical diseases (s); Tropical hygiene (s); Tropical medicine (s)

*Refer from* Bards; Courts of love; French poetry; Minstrels; Poetry; Poets; Provençal literature; Trouvères

*Refer from* Brook trout (s); Fish; Fishing; Salmon

*Refer from* Bards; French poetry; Minstrels; Poetry; Poets; Troubadours

*Refer from* Boys; Compulsory education; Juvenile delinquency; Public schools; School attendance; School children

*Refer from* Juvenile delinquency; Parental schools; Public schools; Schools; Truancy

*Refer from* Architecture; Bridges; Building; Girders; Roofs; Strains and stresses; Strength of materials

*Refer from* Banks and banking; Business; Clearing houses; Commerce; Commercial law; Corporations; Finance; Savings banks; Trustees

✓ *Thomomys* - Australia,  
Great Britain

✓ *Thomomys* - Australia,  
- Great Britain,  
- Italy,  
- France,  
- Netherlands

**Trustees**

*See also* Administrators and executors; Assignments; Guardians; Mortmain; Probate law and practice; Trust companies

**Trusts**

*See also* Capital; Combination, Industrial; Competition; Corporation law; Corporations; Monopolies; Restraint of trade

**Truth**

*See also* Axioms; Belief; Certainty; Honesty; Lying; Sincerity

**Tsetse flies**

*See also* Insects as carriers of contagion; Sleeping sickness

**Tuberculosis**

*See also* Lungs; Open-air schools; Respiratory organs — Diseases; Tuberculosis in animals

**Tuberculosis in animals****Tubes**

*See also* Pipe  
Tumbling *see* Acrobats

**Tumors**

*See also* Cancer

Tumuli *see* Mounds and mound builders

**Tuning**

*See also* Tuning forks

**Tuning forks**

Tunkards *see* German Baptist brethren

Tunkers *see* German Baptist brethren

Tunneling *see* Tunnels

**Tunnels**

*See also* Blasting; Civil engineering; Mines, Military; Mining engineering; Subways

**Turbines**

*See also* Hydraulic motors; Steam turbines; Water wheels

Turco-Russian war *see* Russo-Turkish war

Turf, The, *see* Horse racing

**Turkeys**

*See also* Poultry

Turkish baths *see* Baths and bathing

**Turkish language**

*See also* Ural-Altaic languages

**Turkish literature**

*See also* Arabic literature

Turko-Russian war *see* Russo-Turkish war

**Turning**

*See also* Lathes; Woodwork

Turning (gymnastics) *see* Gymnastics

Turnpikes *see* Roads

Tuyeres *see* Blast furnaces; Cupola furnaces; Foundry work

*Refer from* Commercial law; Guardians; Inheritance; Law; Powers (law); Probate law and practice; Trust companies

*Refer from* Capital; Cartels (economics) (s); Combination, Industrial; Commerce; Commercial law; Competition; Corners, Commercial (s); Corporation law; Corporations; Economics; Finance; Government regulation of industry; Kartels (economics) (s); Monopolies; Restraint of trade

*Refer from* Belief; Certainty; Ethics; Faith; Knowledge; Lying; Philosophy; Sincerity

*Refer from* Diptera; Flies; Insects as carriers of contagion; Sleeping sickness

*Refer from* Consumption (s); Lungs; Medicine — Practice; Phthisis (s); Respiratory organs — Diseases

*Refer from* Animals — Diseases; Cattle — Diseases; Tuberculosis; Veterinary medicine

*Refer from* Iron; Manufactures; Pipe; Steel

*Refer from* Carcinoma (s); Medicine — Practice; Pathology; Surgery

*Refer from* Musical instruments; Piano

*Refer from* Musical instruments; Tuning

*Refer from* Civil engineering; Earthwork; Engineering; Excavation; Mining engineering; Railroads; Railroads — Construction; Subways; Tunneling (s)

*Refer from* Engines; Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Motors; Water wheels; Wheels

*Refer from* Poultry

*Refer from* Ural-Altaic languages

*Refer from* Cabinet work; Carpentry; Industrial arts; Lathe work (s); Lathes; Woodwork



Ultra Vires Contracts

Unpaid deposits

Underwriting

- Twentieth century**  
*See also* English literature — History and criticism — 20th century
- Twins**
- Type**  
*See also* Printing; Typesetting
- Typesetting**  
*See also* Printing; Typesetting machines
- Typesetting machines**
- Typewriting**
- Typhoid fever**  
*See also* Typhus fever
- Typhus fever**  
*See also* Typhoid fever
- Typographical societies**
- Typography** *see* Printing
- Tyranny**  
*See also* Despotism
- Ulcers**  
*See also* Suppuration
- Ultramontaniam**  
*See also* Catholic church; Popes; Vatican council
- Umbrellas**
- Unbelief** *see* Skepticism
- Unclaimed estates** *see* Estates, Unclaimed
- Unction**
- Underclothing** *see* Underwear
- Underground railroad (slavery)**  
*See also* Fugitive slaves
- Underground roads** *see* Subways
- Underground water** *see* Water, Underground
- Underpinning** *see* Shoring and underpinning
- Understanding** *see* Intellect; Psychology
- Underwear**  
*See also* Garment cutting; Hosiery
- Unearned increment**
- Unemployed**  
*See also* Employment agencies; Farm colonies; Labor exchanges; Poor; Tramps; Vacant lot cultivation
- Ungulata**  
*See also* Bison; Cattle; Deer; Goats; Horse; Mammals; Reindeer; Sheep; Swine
- Uniforms**  
*See also* Costume; Livery
- Union, Christian**, *see* Christian union
- Union shop** *see* Open and closed shop
- Unions, Labor**, *see* Labor unions
- Unitarianism**  
*See also* Arianism; Free religion; Jesus Christ — Divinity; Liberalism; Socinianism; Trinity
- Refer from* History, Modern; Progress
- Refer from* Children
- Refer from* Printing
- Refer from* Composition (printing) (s); Printing; Type
- Refer from* Composing machines (s); Linotype (s); Machinery; Monotype (s); Printing; Typesetting
- Refer from* Business education; Writing
- Refer from* Contagion and contagious diseases; Enteric fever (s); Fever; Medicine — Practice; Typhus fever
- Refer from* Fever; Medicine — Practice; Ship fever (s); Typhoid fever
- Refer from* Printers; Printing; Societies
- Refer from* Despotism; Government; Monarchy
- Refer from* Suppuration
- Refer from* Catholic church
- Refer from* Costume
- Refer from* Anointing (s); Extreme unction (s); Sacraments
- Refer from* Fugitive slaves; Slavery in the U. S.
- Refer from* Clothing; Textile industry and fabrics; Underclothing (s)
- Refer from* Betterments (s); Economics; Increment, Unearned (s); Land; Land tenure; Real estate; Taxation
- Refer from* Economics; Labor and laboring classes; Labor exchanges; Panics; Poor; Social problems; Tramps
- Refer from* Bison; Cattle; Deer; Goats; Horse; Mammals; Reindeer; Sheep; Swine
- Refer from* Clothing; Costume; Costume, Military (s); Military costume (s); Military uniforms (s)
- Refer from* Arianism; Congregationalism; Humanitarianism (theology) (s); Jesus Christ — Divinity; Liberalism; Sects; Socinianism; Trinity

## U.S. - International Credit

- Agriculture
- Bank Examination + Supervision
- Bankers Associations

## Banking Law

- Bankers, Practice

## Bankers + Banking

- Bank - Banking - Bank

## Bank + Banking

## Building + Loan Associations

- Credit - House

## Building House Examination

Unitas fratrum *see* Moravians  
 United brethren *see* Moravians  
**United brethren in Christ**  
 United empire loyalists *see* Loyalists, American  
 United society of believers *see* Shakers  
**United States**  
 —Administration, *see* U. S.—Government  
 —Agriculture, *see* Agriculture — U. S.  
 —Altitudes  
 —Annexations  
     *See also* Gadsden purchase; Louisiana purchase; U. S.—Insular possessions  
 —Antiquities  
     *See also* Indians — Antiquities; Mounds and mound builders  
 —Architecture, *see* Architecture, American  
 —Archives  
     *See also* U. S.—Government publications  
 —Army  
     *See also* Army life; Canteens (army); U. S.—History, Military; U. S.—Militia; U. S.—Navy. For volunteer regiments *see* under names of states, e.g. New York artillery, New York cavalry, New York infantry; *also* United States volunteer cavalry, United States volunteer infantry, for volunteer regiments recruited at large  
 —Artillery  
 —Cavalry  
     *See also* United States volunteer cavalry  
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 —Art, *see* Art, American  
 —Asylums, *see* U. S.—Hospitals and asylums  
 —Atlases, *see* U. S.—Description and travel; Maps  
 —Banks, *see* Banks and banking — U. S.  
 —Bibliography  
     *See also* American literature — Bibliography  
 —Biography  
     *See also* Actors, American; Artists, American; Authors, American; Declaration of independence — Signers; Governors; Hall of fame; Loyalists, American; Painters, American; Pilgrim fathers; Poets, American; Presidents — U. S.; Statesmen, American; U. S.—Genealogy; *also* names of wars, subhead Biography  
 —Birds, *see* Birds — U. S.  
 —Botany, *see* Botany — U. S.  
 —Boundaries  
     *See also* Northeast boundary of the U. S.; Northwest boundary of the U. S.  
 —Business associations  
 —Canals, *see* Canals — U. S.  
 —Capital and capitol  
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 —Census  
     *See also* U. S.—Population; U. S.—Statistics; U. S.—Vital statistics  
 —Charities, *see* Charities — U. S.

*Refer from Sects*

*Refer from Physical geography — U. S.*

*Refer from U. S.—Expansion (s); U. S.—Territorial expansion (s)*

*Refer from Indians — Antiquities; Mounds and mound builders*

*Refer from U. S.—Government publications*

*Refer from U. S.—Defenses; U. S.—History, Military; U. S.—Military history (s)*

*Refer from U. S.—Genealogy*

*Refer from U. S.—Foreign relations*

*Refer from Washington, D. C.*

*Refer from U. S.—Population; U. S.—Statistics; U. S.—Vital statistics*



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- Chronology, *see* U. S. — History — Chronology
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  - See also* U. S. — Economic conditions; U. S. — Social conditions; U. S. — Social life and customs
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  - See also* names of wars, subhead Claims
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- 7 —Colonies, *see* U. S. — Insular possessions [For other countries use Colonies]
- Commerce**
  - See also* Embargo laws; Great Lakes; Interstate commerce; Railroads — U. S.; Shipping — U. S.; Tariff — U. S.; U. S. — Industries and resources; Waterways — U. S.
- Conchology, *see* Mollusks — U. S.
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  - See also* Alien and sedition laws, 1798; Constitutional law; Constitutions, State; Secession; State rights; U. S. — Government; U. S. — Law
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- Conventions and public meetings**
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- Costume, *see* Costume — U. S.
- Courts**
  - See also* Courts, Municipal
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  - See also* Coast defense; Fortification — U. S.; U. S. — Army; U. S. — Navy
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  - See also* Overland journeys to the Pacific; *also* names of cities, states, regions, etc.
- Gazetteers**
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  - See also* English language — Dialects
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*Refer from* U. S. — Industries and resources

*Refer from* U. S. — Government; U. S. — Law

*Refer from* Federal courts (s)

*Refer from* U. S. — Geography (s); U. S. — Travel (s)

*Refer from* U. S. — Gazetteers (s)

*Refer from* U. S. — Guidebooks (s)

*Refer from* U. S. — Atlases (s); U. S. — Maps (s)

*Refer from* U. S. — Views (s)

*Refer from* U. S. — Consular service (s); U. S. — Foreign relations



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*Refer from* U. S. — Civilization; U. S. — Industries and resources; U. S. — Political economy (s); U. S. — Social conditions

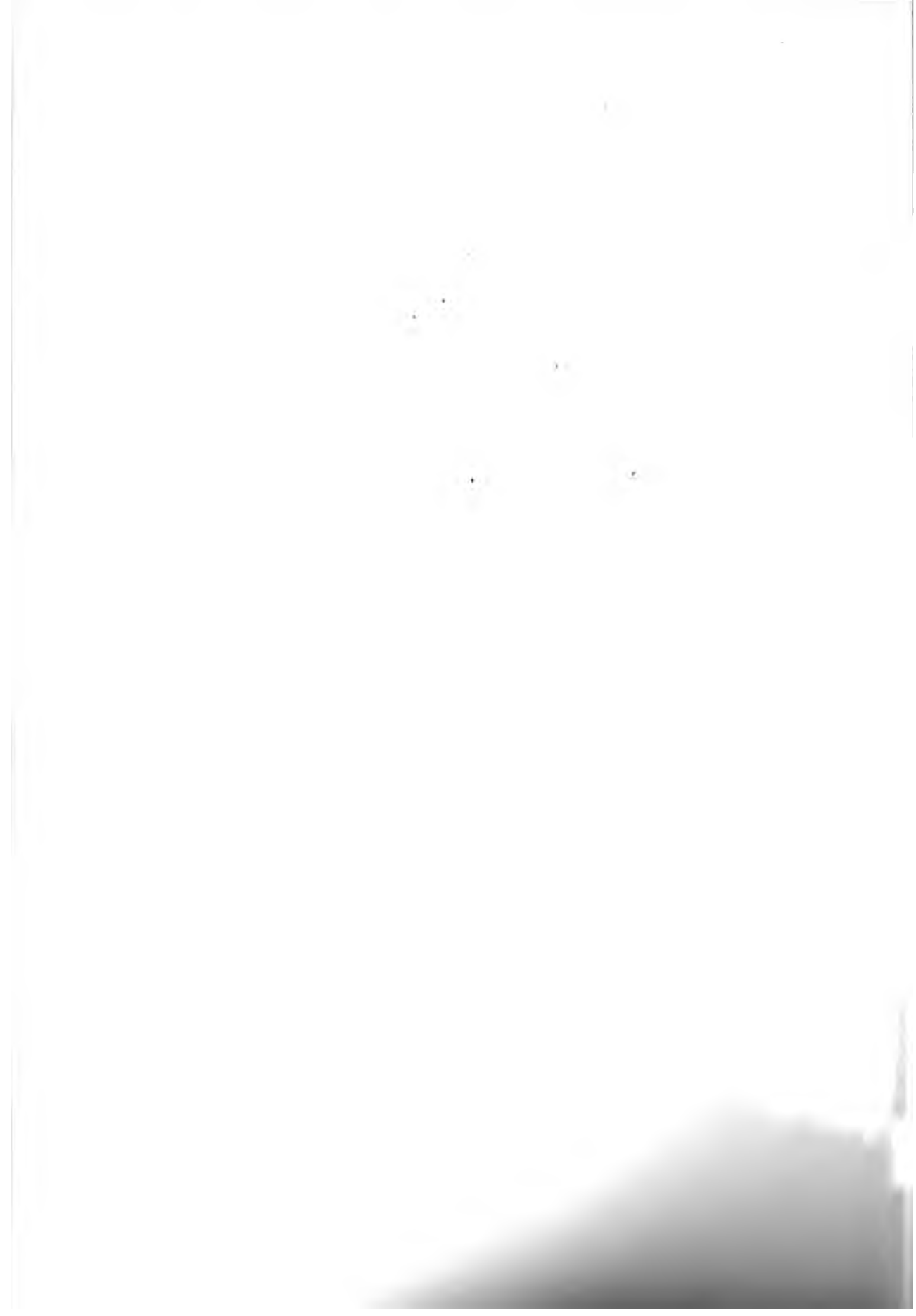
*Refer from* U. S. — Economic conditions

*Refer from* Immigration and emigration — U. S.; Race problems — U. S.; U. S. — Economic conditions; U. S. — Population; U. S. — Social conditions

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—French and Indian war, *see* French and Indian war

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*See also* Declaration of independence—Signers; U. S.—History—Revolution—Societies

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*Refer from* U. S.—Administration (s); U. S.—Civil and political institutions (s); U. S.—Constitution; U. S.—Politics

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*Refer from* U. S.—Chronology (s)

*Refer from* U. S.—Army; U. S.—Military history (s)

*Refer from* U. S.—Naval history (s); U. S.—Navy

*Refer from* American colonial history (s); Bacon's rebellion; Colonial history (U. S.) (s); Colonial life and customs; Colonial wars (s); French and Indian war; King Philip's war; King William's war; Pequot war; Pilgrim fathers; Pontiac's conspiracy; Queen Anne's war

*Refer from* American revolution (s); Bunker Hill, Battle of; Declaration of independence; England—History—1714-1837; Loyalists, American; Revolutionary war (U. S.) (s); Revolutions; Sullivan's expedition; U. S.—Revolution (s)

*Refer from* Boston massacre; Boston tea party; Stamp act; U. S.—History—Colonial period



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 — **Drama**  
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   *See also* U. S. — History — Revolution — Prison life  
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   *See also* Alien and sedition laws, 1798; Embargo laws; French spoliation claims; Louisiana purchase; Ordinance of 1787; Whiskyinsurrection  
 — **War of 1812** [subdivided like Revolution]  
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   *See also* Black Hawk war; Free soil party; Know-nothing party; Missouri compromise  
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   *See also* Army of the Cumberland; Army of the Potomac; Draft riot, 1863; Guerrillas; Memorial day; Reconstruction; Secession; Secret service; Slavery in the U. S.  
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*Refer from* U. S. — History — Revolution — Diplomatic history (s)  
*Refer from* French in America

*Refer from* Germans in the U. S.; Hessians in the American revolution (s)  
*Refer from* Indians — Wars

*Refer from* Negroes in the American revolution (s)

*Refer from* War poetry

*Refer from* U. S. — History — Revolution — Personal narratives

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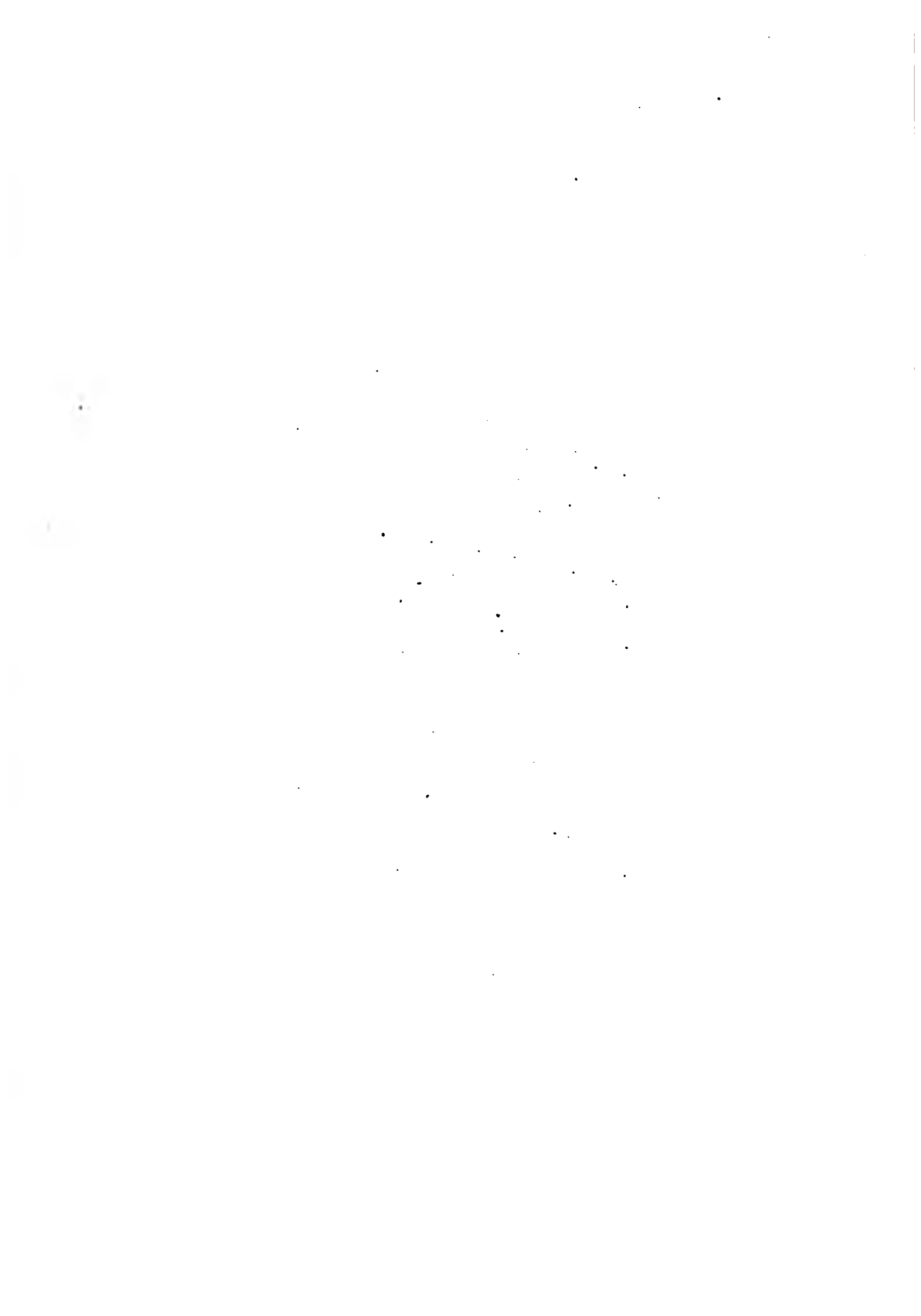
*Refer from* Mexican war, 1846–1848 (s); Mexico — History

*Refer from* Army of the Cumberland; Army of the Potomac; Civil war (s); Gettysburg, Battle of; Guerrillas; Peninsular campaign, 1862; Rebellion; Secession; Southern states

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*Refer from* Rough Riders; Spain — History — 1700–; Spanish-American war, 1898 (s)

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*See also* Education—U. S.; U. S.—Learned institutions and societies

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*Refer from* Education—U. S.; U. S.—Social life and customs

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*Refer from* U. S.—Intellectual life; U. S.—Literary institutions (s); U. S.—Scientific institutions (s)

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*Refer from* U. S. — Census

*Refer from* Territories (U. S.) (s)

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*Refer from* Anatomy; Kidneys; Physiology  
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Vagrancy *see* Poor; Poor laws; Tramps

Valdenses *see* Waldenses

**Valency****Valentine's day****Valleys**

*See also* Erosion; Physical geography; Rivers

Valor *see* Courage

Valses *see* Waltzes

**Value**

*See also* Cost; Farm values; Money; Prices; Supply and demand

**Valves and valve gears**

*See also* Link motion; Safety valves; Steam engines

**Vampires**

*See also* Animals, Mythical

**Vandals**

*See also* Barbarian invasions of Rome

**Vanilla**

*See also* Flavoring extracts

Vanity *see* Pride and vanity

Vapor *see* Evaporation; Gases; Steam

**Variation (biology)**

*See also* Color of animals; Color of flowers; Color of insects; Color of plants; Evolution; Heredity; Mendel's law; Natural selection; Plant breeding; Species

Variation of the compass *see* Compass

Variations (calculus) *see* Calculus

Variety stage *see* Vaudeville

Variola *see* Smallpox

**Varioloid**

*See also* Smallpox; Vaccination

*Refer from* Forecasts; Government; Ideal states (s); Socialism; Socialistic utopias (s); Sociology

*Refer from* City gardens (s); Charities; Commons; Cultivation of vacant lots (s); Detroit plan (s); Gardening; Municipal improvement; Neighborhood improvement; Pingree plan (s); School gardens; Unemployed; Workingmen's gardens (s)

*Refer from* Education; Playgrounds; Public schools; Schools; Summer schools; Vacations

*Refer from* Holidays; Hygiene; Outdoor life

*Refer from* Contagion and contagious diseases; Hygiene, Public; Immunity; Inoculation; Medicine; Smallpox; Varioloid

*Refer from* Cleaning; Compressed air; House cleaning; Sweeping

*Refer from* Chemical elements; Chemistry, Physical

*Refer from* Manners and customs; St. Valentine's day (s)

*Refer from* Erosion; Physical geography; Rivers

*Refer from* Cost; Economics; Prices; Standard of value (s); Supply and demand; Wages

*Refer from* Gearing; Link motion; Machinery; Safety valves; Slide valves (s); Steam engines

*Refer from* Animal lore; Animals, Mythical; Superstition

*Refer from* Barbarian invasions of Rome; Teutonic race; Wandalen (s)

*Refer from* Flavoring extracts

*Refer from* Biology; Botany; Evolution; Heredity; Mutation (s); Species; Transmutation of species (s); Zoology

*Refer from* Medicine — Practice; Smallpox; Vaccination



**Varnish and varnishing**

*See also* Japanning; Lacquer; Painting; Mechanical; Wood finishing

**Vascular system**

*See also* Anatomy; Arteries; Blood; Blood vessels; Heart; Physiology; Veins

**Vases**

*See also* Pottery; Urns

Vassals *see* Feudalism

**Vatican**

*See also* Catholic church; Popes; Rome (city)

**Vatican council**

*See also* Infallibility; Popes — Infallibility

**Vaudeville**

*See also* Theater

Vaudois *see* Waldenses

**Vaulting**

*See also* Arches; Architecture; Domes; Vaults

**Vaults**

*See also* Safes; Tombs; Vaulting

**Vector analysis**

*See also* Quaternions

**Vedanta**

*See also* Philosophy, Hindu; Theosophy; Vedas; Yoga

**Vedas**

*See also* Vedanta

Vegetable diet *see* Vegetarianism

Vegetable gardening *see* Gardening; Market gardening

Vegetable kingdom *see* Botany; Plants

Vegetable mold *see* Soils

Vegetable oils *see* Essences and essential oils; Oils and fats

Vegetable pathology *see* Plants — Diseases

Vegetable physiology *see* Botany — Physiology

**Vegetables**

*See also* Beets and beet sugar; Cookery — Vegetables; Gardening; Market gardening; Potatoes; Root crops; Vegetarianism

**Vegetarianism**

*See also* Animal food

**Vehicles**

*See also* Ambulances; Automobiles; Carriages; Cars; Chariots; Coaches and coaching; Omnibuses; Transportation; Wagons; Wheels

**Veins**

*See also* Arteries; Blood; Blood vessels

Velocipedes *see* Bicycles and tricycles

**Velocity**

*See also* Kinematics; Speed

*Refer from* Chemistry, Technical; Gums and resins; Japanning; Lacquer; Painting; Mechanical; Wood finishing

*Refer from* Anatomy; Blood vessels; Circulatory system (s); Physiology

*Refer from* Amphorae (s); Decoration and ornament; Pottery; Urns

*Refer from* Catholic church; Popes; Rome (city)

*Refer from* Catholic church — History; Councils and synods; Infallibility; Popes; Popes — Infallibility; Ultramontaniam

*Refer from* Acting; Actors; Amusements; Music halls; Stage (s); Theater; Variety stage (s)

*Refer from* Arches; Architecture; Building; Masonry; Roofs; Vaults

*Refer from* Architecture; Banks and banking; Safes; Tombs; Vaulting

*Refer from* Algebra; Quaternions

*Refer from* Brahmanism; Hinduism; Pantheism; Philosophy, Hindu; Theosophy; Vedas; Yoga

*Refer from* Brahmanism; Hindu literature; Hinduism; Sacred books; Sanskrit literature; Vedanta

*Refer from* Agricultural products; Beets and beet sugar; Botany; Food; Gardening; Market gardening; Potatoes; Root crops

*Refer from* Animal food; Diet; Food; Vegetable diet (s); Vegetables

*Refer from* Carriages; Transportation; Wagons

*Refer from* Arteries; Blood; Blood vessels; Vascular system

*Refer from* Kinematics; Motion; Physics; Speed





**Vendean war, 1793-1796**

*See also* Chouans; French revolution

**Vendée, War of**, *see* Vendean war

**Vendetta**

**Vendors** *see* Sale

**Veneers and veneering**

**Venesection** *see* Bloodletting

**Venom**

*See also* Poisons

**Ventilating fans** *see* Fans, Electric; Fans, Mechanical

**Ventilation**

*See also* Air pollution; Car heating, lighting and ventilation; Chimneys; Fans, Electric; Fans, Mechanical; Heating; Mine ventilation

**Ventilation of mines** *see* Mine ventilation

**Ventriloquism**

**Versailles (palace)**

**Versification**

*See also* Alliteration; Meter; Poetry; Prosody; Rhyme; Rhythm

**Vertebral column** *see* Spine

**Vertebrates**

*See also* Amphibia; Birds; Fish; Mammals; Reptiles; Zoology

**Vessels** *see* Shipbuilding; Shipping; Ships; Steamboats

**Vestments** *see* Church vestments

**Veterinary medicine**

*See also* Animals — Diseases; Cattle — Diseases; Dogs; Domestic animals; Horse; Sheep; Swine; *also* names of diseases, e.g. Tuberculosis in animals

**Veto**

**Viaducts** *see* Bridges

**Vibration**

*See also* Heat; Light; Motion; Physics; Sound; Waves

**Vice**

*See also* Crime and criminals; Degeneration; Ethics; Prostitution

**Victoria cross**

**Victorian literature** *see* English literature — History and criticism — 19th century

**Views**

*See also* Pictures; *also* e.g. New York (city) — Description — Views; U. S. — Description and travel — Views

**Vigilance committees**

*See also* Lynch law

**Vikings** *see* Northmen

**Village communities**

*See also* Communism; Local government; Mark (land); Tribes and tribal system

**Villages**

*See also* Local government; Towns

*Refer from* Brittany; Chouans; French revolution; Vendée, War of (s)

*Refer from* Feuds (s); Manners and customs

*Refer from* Forest products; Furniture; Woodwork

*Refer from* Bites, Venomous (s); Poisons; Snake venom (s); Snakes

*Refer from* Air; Air pollution; Architecture; Building; Chimneys; Heating; Home economics; Hygiene; Sanitary engineering; Sanitation; Sanitation, Household

*Refer from* Amusements; Elocution; Voice  
*Refer from* Art — Galleries and museums; France — Description and travel; Palaces

*Refer from* Alliteration; Authorship; Meter; Poetry; Prosody; Rhetoric

*Refer from* Amphibia; Birds; Fish; Mammals; Reptiles; Zoology

*Refer from* Animals — Diseases; Cattle — Diseases; Diseases of animals (s); Dogs; Domestic animals; Domestic animals — Diseases (s); Farriery (s); Horse; Live stock; Medicine; Sheep; Swine

*Refer from* Executive power; Government; Legislation; Presidents

*Refer from* Motion; Physics; Waves

*Refer from* Crime and criminals; Degeneration; Ethics; Immorality (s); Prostitution  
*Refer from* Decorations of honor

*Refer from* Geography; Pictures

*Refer from* Courts; Crime and criminals; Criminal law; Lynch law; Western states

*Refer from* Commons; Communism; Communities (s); Government; Land tenure; Local government; Mark (land); Society, Primitive; Tribes and tribal system

*Refer from* Government; Local government; Towns



Villainage *see* Villeinage  
Villas *see* Architecture, Domestic; Cottages;  
Country houses

**Villeinage**

*See also* Feudalism; Serfdom

Villénage *see* Villeinage

Vine *see* Grape; Wine

Vines *see* Climbing plants; Grape

Vineyards *see* Grape

**Violets**

*See also* Floriculture

**Violin**

*See also* Stringed instruments; Violin  
music; Violinists

**Violin music**

**Violinists**

*See also* Musicians

**Violoncello**

*See also* Stringed instruments

Virgin birth of Christ *see* Jesus Christ — Birth

Virgin Mary *see* Mary, Virgin

Virgin Mary in art *see* Madonnas

Virginal *see* Piano

Virginia resolutions, 1798, *see* Kentucky and

Virginia resolutions, 1798

**Virtue**

*See also* Chastity; Ethics; Goodness

**Viscera**

*See also* Abdomen; Intestines; Kidneys;

Liver

**Viscosity**

*See also* Hydrodynamics; Matter; Splashes

Visigoths *see* Goths

Vision *see* Color sense; Eye; Sight

Visions *see* Apparitions; Dreams; Illusions  
and hallucinations

**Visitations, Heraldic**

Visiting *see* Guests

Vitagraph *see* Moving pictures

**Vital records**

**Vital statistics**

*See also* Birth rate; Census; Fecundity;  
Mortality; Population; Vital records; *also*  
names of countries, subhead Vital statistics

**Vitalism**

Vitascope *see* Moving pictures

Viticulture *see* Grape

**Vivariums**

*See also* Aquariums; Menageries

**Vivisection**

*See also* Animal experimentation; Dis-  
section

Vocal culture *see* Singing and voice culture

*Refer from* Feudalism; Labor and laboring  
classes; Land tenure; Peasantry; Serfdom;  
Villainage (s); Villénage (s)

*Refer from* Floriculture; Flowers

*Refer from* Bow (music) (s); Fiddle (s);  
Musical instruments; Stringed instruments

*Refer from* Instrumental music; Music —  
Scores; Violin

*Refer from* Musicians; Violin

*Refer from* Cello (s); Musical instruments;  
Stringed instruments

*Refer from* Conduct of life; Ethics; Goodness

*Refer from* Abdomen; Intestines

*Refer from* Fluids; Gases; Hydrodynamics;  
Liquids; Matter; Physics

*Refer from* Genealogy; Heraldic visita-  
tions (s); Heraldry

*Refer from* Archives; Birth records (s);  
Death records (s); Genealogy; Marriage  
records (s); Records of births, marriages and  
deaths (s); Registers of births, marriages and  
deaths (s); Vital statistics

*Refer from* Birth rate; Census; Death;  
Death rate (s); Life; Longevity; Man;  
Marriage statistics (s); Mortality; Popula-  
tion; Statistics

*Refer from* Biology; Life

*Refer from* Animals; Menageries; Terrari-  
ums (s)

*Refer from* Anatomy; Animal experimenta-  
tion; Animals — Treatment; Dissection; Eth-  
ics; Pain; Surgery



Vocal music *see* Choral music; Church music; Music; Singing and voice culture; Songs

Vocal organs *see* Voice

Vocalists *see* Singers

**Vocational education**

*See also* Industrial education; Professional education; Technical education; Trade schools

Vocations *see* Occupations; Professions

**Voice**

*See also* Elocution; Music; Oratory; Singing and voice culture; Sound; Speech; Stammering; Throat; Ventriloquism

Voice culture *see* Singing and voice culture

**Volapük**

Volatile oils *see* Essences and essential oils

Volcanic rocks *see* Igneous rocks

**Volcanoes**

*See also* Earthquakes; Geology; Igneous rocks; Lava; Physical geography

Volition *see* Will

Voltaic arc *see* Electric arc

Voltaic cell *see* Electric batteries

Voltaic electricity *see* Electricity

Volumetric analysis *see* Chemistry — Analysis

Volunteers (U. S. army) *see* United States volunteer cavalry; United States volunteer infantry; *also* under names of states, e.g. New York artillery; New York cavalry; New York infantry

**Voodooism**

*Refer from* Colleges and universities; Curriculum; Education; Industrial education; Occupations; Professional education; Public schools; Technical education

*Refer from* Breathing; Elocution; Hygiene; Medicine — Practice; Music; Oratory; Physiology; Singing and voice culture; Sound; Speaking (s); Speech; Throat; Vocal organs (s)

*Refer from* Language, Artificial

*Refer from* Earth; Earthquakes; Geology; Lava; Mountains; Physical geography; Seismology (s)

Voting *see* Ballot; Elections; Representative government and representation; Suffrage

**Voting machines**

Voodooism *see* Voodooism

Voyagers *see* Explorers; Travelers

**Voyages and travels**

*See also* Adventure; Antarctic regions; Arctic regions; Automobile touring; Buccaneers; Discoveries and explorations; Explorers; Geography; Ocean travel; Pilgrimages; Sailors; Scientific expeditions; Seafaring life; Travel; Travelers; Voyages and travels around the world; Whaling — Early [to 1650]

*Refer from* Conjuring; Fetishism; Negroes — Social life and customs; Superstition; Voodooism (s)

*Refer from* Ballot; Elections

*Refer from* Adventure; Antarctic regions; Arctic regions; Discoveries and explorations; Explorers; Geography; Journeys (s); Navigation; Ocean; Ocean travel; Travel; Travelers; Travels (s)

**Voyages and travels around the world**

*Refer from* Circumnavigation (s); Travels around the world (s); Voyages and travels

**Wager of battle**

*See also* Dueling

*Refer from* Battle, Wager of (s); Combat, Trial by (s); Dueling; Law; Trial by combat (s)

Wagers *see* Betting

7 **Wages**

*See also* Cost of living; Economics; Employment agencies; Income; Labor and laboring classes; Labor unions; Prices; Profit sharing; Salaries; Standard of living; Sweating system; Value

Wagon painting *see* Carriage painting

**Wagons**

*See also* Carriages; Vehicles

*Refer from* Compensation (s); Cost of living; Economics; Income; Labor and capital; Labor and laboring classes; Labor unions; Piece work (s); Prices; Profit; Salaries; Standard of living; Workmen's compensation (s)

*Refer from* Vehicles



**Wahabis**

*See also* Arabia — History; Mohammedanism

Wahhabites *see* Wahabis

**Waiters**

*See also* Servants; Tipping

Waitresses *see* Waiters

**Waldenses**

*See also* Albigenses; Huguenots; Reformation — France

**Walking**

*See also* Running

Wall decoration *see* Mural painting and decoration

Wall painting *see* Mural painting and decoration

**Wall paper**

*See also* Mural painting and decoration; Tapestry

**Wall street, New York city**

*See also* Speculation; Stock exchange

**Walls**

*See also* Building; Dams; Foundations; Masonry; Mural painting and decoration; Sea walls

**Waltzes**

*See also* Dance music

Waltzing *see* Dancing

**Wampum**

*See also* Shell money

Wandalen *see* Vandals

**Wandering Jew****War**

*See also* Arbitration, International; Armies; Battles; Blockade; Contraband of war; Disarmament; Guerrillas; Imaginary wars and battles; International law; International relations; Intervention; Martial law; Militarism; Military art and science, and other headings beginning Military; Naval art and science; Navies; Neutrality; Peace; Prisoners of war; Prizes (international law); Recognition (international law); Red cross; Sieges; War correspondence; War games; War poetry; War songs; *also* names of wars, e.g. French revolution

**War correspondence**

War cries *see* Battle cries

**War games**

*See also* Military maneuvers

War of 1812 *see* U. S. — History — War of 1812

War of the Austrian succession *see* Austrian succession, War of

War of the Roses *see* Wars of the Roses

*Refer from* Arabia — History; Mohammedanism; Wahhabites (s)

*Refer from* Restaurants; Servants; Table; Waitresses (s)

*Refer from* Albigenses; Church history — Middle ages; Huguenots; Reformation — France; Sects; Valdenses (s); Vaudois (s)

*Refer from* Animal locomotion; Athletics; Exercise; Locomotion; Outdoor life; Pedestrianism (s); Physical education; Running; Sports; Track athletics

*Refer from* House decoration; Mural painting and decoration; Paper; Paper hanging (s)

*Refer from* New York (city) — Streets; Speculation; Stock exchange; Stocks

*Refer from* Architecture; Building; Civil engineering; Dams; Earthwork; Engineering; Foundations; Masonry; Retaining walls (s)

*Refer from* Dance music; Valses (s)

*Refer from* Beads; Indians; Money; Shell money

*Refer from* Legends

*Refer from* Arbitration, International; Armies; Disarmament; Ethics; Fighting (s); International law; International relations; Militarism; Military art and science; Naval art and science; Peace; Social problems; Sociology

*Refer from* Correspondence (s); Journalism; Reporting; War

*Refer from* Military art and science; Military maneuvers; Tactics; War



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War of the Spanish succession *see* Spanish succession, War of

**War poetry**

*See also* War songs; *also* under various wars, e.g. U. S. — History — Revolution — Poetry

War-ships *see* Warships

**War songs**

*See also* War poetry

Wards *see* Guardians

**Warehouses**

*See also* Bailments; Grain elevators

Warming *see* Heating

Warnings *see* Omens

Wars *see* Military history; *also* names of wars, and names of countries, subheads History and History, Military

Wars, Imaginary, *see* Imaginary wars and battles

**Wars of the Roses**

*See also* England — History — Lancaster and York

**Warships**

*See also* Armor plate; Armored vessels; Galleys; Naval art and science; Navies; Submarine boats; Torpedo boats; *also* names of countries, subhead Navy

**Warwick castle**

*See also* Castles — England; Warwickshire, Eng.

Washing *see* Laundry

**Wasps**

*See also* Hymenoptera

Waste, Disposal of, *see* Refuse and refuse disposal; Sewage; Waste products

**Waste products**

*See also* Refuse and refuse disposal; Slag

Watches *see* Clocks and watches

**Water**

*See also* Baths and bathing; Dew; Erosion; Feed water; Fog; Frost; Glaciers; Hail; Hydraulic engineering; Hydraulics; Hydrostatics; Ice; Lakes; Meteorology; Mineral waters; Ocean; Physical geography; Ponds; Rain; Rivers; Sea water; Snow; Springs; Steam; Swimming; Water supply, and other headings beginning Water; Waterfalls; Waterspouts; Waterways; Waves

**—Analysis**

*See also* Bacteriology

**—Purification**

*See also* Feed water; Filters and filtration; Water supply

*Refer from* Poetry; Poetry of war (s); War; War songs

*Refer from* Battle-songs (s); National songs; Patriotic songs (s); Songs; War; War poetry

*Refer from* Architecture; Bailments; Business; Commerce; Tariff

*Refer from* England — History — Lancaster and York; Roses, Wars of the (s); War of the Roses (s)

*Refer from* Armored vessels; Battle-ships (s); Battleships (s); Cruisers (s); Fleets (s); Naval art and science; Navies; Sea power; Shipbuilding; Ships; Steamboats; War-ships (s)

*Refer from* Castles — England; Warwickshire, Eng.

*Refer from* Hymenoptera

*Refer from* By-products (s); Chemical engineering; Chemistry, Technical; Factory waste (s); Industrial arts; Manufactures; Refuse and refuse disposal; Trades waste (s); Waste, Disposal of (s)

*Refer from* Beverages; Hydraulic engineering; Hydraulics; Hydrology (s); Hydrostatics; Ice; Physical geography; Physics; Water supply

*Refer from* Bacteriology; Sanitary chemistry; Water analysis (s); Water pollution

*Refer from* Feed water; Filters and filtration; Municipal engineering; Purification of water(s); Sanitary chemistry; Sanitary engineering; Sanitation; Water pollution; Water purification (s); Water softening (s); Water supply



**Water**—Continued

**—Underground**

*See also* Divining rod; Soil moisture; Springs; Wells

Water analysis *see* Water — Analysis

**Water birds**

*See also* Birds; Ducks; Geese

**Water color painting**

*See also* Painting

Water cure *see* Hydrotherapy

Water flow *see* Hydraulics

**Water gardens**

*See also* Aquariums; Aquatic plants

Water heating *see* Hot water heating

Water insects *see* Insects, Aquatic

**Water meters**

Water plants *see* Aquatic plants

**Water pollution**

*See also* Sewage; Water — Analysis; Water — Purification; Water supply

**Water power**

*See also* Flumes; Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Hydro-electric plants

Water-power electric plants *see* Hydro-electric plants

Water purification *see* Water — Purification

**Water rights**

*See also* Riparian rights; Water supply

Water softening *see* Water — Purification

Water sports *see* Aquatic sports

**Water supply**

*See also* Aqueducts; Artesian wells; Canals; Dams; Droughts; Filters and filtration; Forests and forestry; Fountains; Hydraulic engineering; Irrigation; Plumbing; Pumping stations; Pumps; Reservoirs; Water; Water — Purification; Water meters; Water pollution; Water rights; Wells; *also* names of cities, subhead Water supply

**—U. S.**

**Water wheels**

*See also* Hydraulic motors; Turbines

Watercourses *see* Waterways

**Waterfalls**

Waterfowl *see* Water birds

Watering places *see* Health resorts; Summer resorts

**Waterloo, Battle of, 1815**

*See also* France — History — Consulate and empire; Napoleonic wars

**Waterproofing**

*See also* Corrosion and anti-corrosives; Dampness in buildings

**Waterspouts**

*See also* Meteorology

*Refer from* Ground water (s); Hydrology (s); Physical geography; Springs; Subterranean water (s); Underground water (s); Wells

*Refer from* Aquatic birds (s); Birds; Ducks; Geese; Waterfowl (s); Wild fowl (s)

*Refer from* Painting

*Refer from* Aquariums; Aquatic gardening (s); Aquatic plants; Gardens; Landscape gardening

*Refer from* Meters (s); Water supply

*Refer from* Hygiene; Hygiene, Public; Pollution of streams (s); Refuse and refuse disposal; Rivers; Sanitary chemistry; Sewage; Water supply

*Refer from* Conservation of resources; Flumes; Hydraulic engineering; Hydraulic power (s); Hydraulics; Natural resources; Power; Rivers

*Refer from* Irrigation; Riparian rights; Water supply

*Refer from* Civil engineering; Engineering; Filters and filtration; Hydraulic engineering; Hygiene, Public; Municipal engineering; Pumping stations; Reservoirs; Sanitary engineering; Sanitation; Water; Water — Purification; Water pollution; Water rights; Waterworks (s)

*Refer from* U. S. — Water supply (s)

*Refer from* Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Machinery; Motors; Turbines; Wheels

*Refer from* Cataracts (s); Falls (s); Physical geography; Water

*Refer from* Battles; France — History — Consulate and empire; Napoleonic wars

*Refer from* Corrosion and anti-corrosives; Textile industry and fabrics

*Refer from* Meteorology; Physical geography; Water



## **Waterways**

*See also* Canals; Ferries; Freight; Inland navigation; Navigation; Riparian rights; Rivers

### **— U. S.**

*See also* Canals — U. S.; Great Lakes; Rivers — U. S.

Waterworks *see* Water supply

## **Wattmeter**

## **Waves**

*See also* Electric waves; Ether (of space); Light; Sound; Vibration

## **Wax**

## **Wax flowers**

Waxworks, Living, *see* Jarley waxworks

## **Wayfaring life**

*See also* Minstrels; Outdoor life; Tramps

## **Wealth**

*See also* Banks and banking; Business; Capital; Capitalists and financiers; Economics; Finance; Income; Labor and laboring classes; Leisure class; Luxury; Millionaires; Misers; Money; Property; Prosperity; Success

Weapons *see* Arms and armor; Firearms; Indians — Implements and weapons; Swords

Weariness *see* Fatigue

## **Weather**

*See also* Climate; Droughts; Meteorology; Storms; Weather forecasts; Weather lore; Winds

## **Weather forecasts**

*See also* Weather lore

## **Weather lore**

## **Weaving**

*See also* Basketwork; Beadwork; Blankets; Carpets; Lace; Looms; Rugs; Textile industry and fabrics

## **Wedding anniversaries**

## **Weddings**

*See also* Etiquet; Marriage; Marriage customs and rites; Wedding anniversaries

## **Weeds**

## **Weevils**

*See also* Beetles; Boll weevil

## **Weights and measures**

*See also* Arithmetic; Decimal system; Electric measurement; Gaging; Gravitation; Measuring instruments; Mensuration; Metric system; Specific gravity; Standards of length; Units

Weirs *see* Dams

## **Welding**

*See also* Blowpipe; Solder and soldering

Welfare institutions for laborers *see* Industrial betterment

## **Wells**

*See also* Artesian wells; Boring; Gas, Natural; Holy wells; Petroleum; Springs; Water, Underground

*Refer from* Canals; Commerce; Communication; Inland navigation; Rivers; Transportation; Watercourses (s); Water

*Refer from* Canals — U. S.; Rivers — U. S.; U. S. — Commerce; U. S. — Waterways (s)

*Refer from* Electric meters; Meters (s)

*Refer from* Hydrodynamics; Ocean; Physical geography; Physics; Vibration; Water

*Refer from* Adhesives; Bees

*Refer from* Artificial flowers; Flowers

*Refer from* Minstrels; Outdoor life; Tramps; Vagabonds (s)

*Refer from* Business; Business ethics; Capital; Distribution of wealth (s); Economics; Ethics; Finance; Fortunes (s); Income; Luxury; Millionaires; Money; Plutocracy (s); Property; Riches (s); Social ethics

*Refer from* Climate; Meteorology

*Refer from* Forecasts; Meteorology; Weather

*Refer from* Folklore; Meteorology; Proverbs; Superstition; Weather; Weather forecasts

*Refer from* Arts and crafts; Carpets; Cotton; Domestic arts; Industrial arts; Looms; Manual training; Textile industry and fabrics

*Refer from* Anniversaries; Marriage; Weddings

*Refer from* Bridal customs (s); Etiquet; Marriage; Marriage customs and rites

*Refer from* Agricultural pests; Botany; Botany, Economic; Gardening; Plants

*Refer from* Beetles; Insects, Injurious and beneficial

*Refer from* Cambistry (s); Commerce; Decimal system; Gravitation; Measures (s); Mensuration; Metric system; Metrology (s); Science; Specific gravity; Standards (s); Units

*Refer from* Blacksmithing; Blowpipe; Electric welding (s); Forging; Ironwork; Machine shop practice; Metal work; Metals; Solder and soldering

*Refer from* Artesian wells; Hydraulic engineering; Springs; Water, Underground; Water supply



**Welsh language**

*See also* Celtic languages

**Welsh literature**

*See also* Celtic literature

**Werwolves**

*See also* Animals, Mythical

**Wesleyan Methodist church**

Wesleyans *see* Methodist Episcopal church;  
Wesleyan Methodist church

West (U. S.) *see* Western states

Western empire *see* Holy Roman empire

**Western Reserve**

*See also* Ohio

**Western states**

*See also* Cowboys; Frontier and pioneer life; Indians; Lewis and Clark expedition; New Englanders in the West; Northwest Territory; Northwestern states; Oregon trail; Overland journeys to the Pacific; Pacific states; Prairies; Ranch life; Salt Lake trail; Santa Fé trail; Southwestern states; Vigilance committees; *also* names of states, cities, etc.

**Westminster abbey****Whales**

*See also* Cetacea; Whaling

**Whaling**

*See also* Harpoons

**Wharves**

*See also* Docks; Piles and pile driving;  
*also* names of cities, subhead Wharves

**Wheat**

*See also* Flour and flour mills; Grain;  
Hessian flies

Wheeling *see* Cycling

**Wheels**

*See also* Axles; Car wheels; Carriages;  
Machinery; Tires; Turbines; Water wheels

**Whig party (England)****Whig party (U. S.)**

Whipping *see* Corporal punishment; Flogging

Whirlwinds *see* Storms

**Whisky insurrection, 1794**

*See also* Pennsylvania — History; U. S.  
— History — 1783-1812

**Whist**

*See also* Bridge whist; Cards

White league *see* Ku-Klux Klan

White slave trade *see* Prostitution

**Widows**

*See also* Wives

Wife *see* Wives

Wild animals *see* Animals; Zoology

Wild flowers *see* Flowers

Wild fowl *see* Game birds; Water birds

Wild geese *see* Geese

**Wilderness road**

*Refer from* Celtic languages; Cymric language (s); Kymric language (s)

*Refer from* Celtic literature; Cymric literature (s); Kymric literature (s)

*Refer from* Animal lore; Animals, Mythical; Lycanthropy (s); Superstition

*Refer from* Methodism; Sects; Wesleyans (s)

*Refer from* Connecticut Reserve (s); Northwest Territory, U. S.; Ohio

*Refer from* Frontier and pioneer life; Indians; Northwestern states; Overland journeys to the Pacific; Pacific states; Prairies; Ranch life; Southwestern states; West (U. S.) (s)

*Refer from* Abbeys; London

*Refer from* Cetacea

*Refer from* Seafaring life; Voyages and travels; Whales

*Refer from* Docks; Harbors; Hydraulic engineering; Piers (s); Piles and pile driving

*Refer from* Flour and flour mills; Grain

*Refer from* Axles; Carriages; Machinery; Tires; Vehicles

*Refer from* England — Politics; Political parties

*Refer from* Political parties; U. S. — Politics

*Refer from* Pennsylvania — History; U. S. — History — 1783-1812

*Refer from* Bridge whist; Cards

*Refer from* Family; Wives; Women

*Refer from* Boone's trail (s); Kentucky; Roads — U. S.; Virginia



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**Will**

*See also* Ethics; Freedom of the will; Psychology

**Wills**

*See also* Administrators and executors; Guardians; Inheritance; Legacies; Probate law and practice

Wind *see* Winds

**Wind instruments**

*See also* Bagpipes; Bands (music); Flute; Musical instruments

**Windmills****Window dressing****Window gardening**

*See also* Floriculture

**Windows**

*See also* Architecture; Glass; Grilles; Lattice; Skylights; Stained glass; Window dressing; Window gardening

**Winds**

*See also* Anemometer; Cyclones; Hurricanes; Meteorology; Storms; Tornadoes

**Windsor castle**

*See also* Castles — England

**Wine**

*See also* Grape; Liquors; Temperance

**Wings**

*See also* Birds; Flight

**Winter**

*See also* Seasons; Winter resorts; Winter sports

Winter gardening *see* Greenhouses; Window gardening

**Winter resorts**

*See also* Health resorts; Riviera

**Winter sports**

*See also* Coasting; Curling; Hockey; Ice boats; Skating; Skees and skee-running; Sports; Tobogganing

**Wire**

*See also* Cables; Electric wire and wiring; Fence wire

**Wireless telegraphy**

*See also* Coherers; Electric waves

Wireless telephony *see* Telephone, Wireless

Wiring, Electric, *see* Electric conductors; Electric wire and wiring

Wise men of the East *see* Magi

Wit and humor *see* Humor

**Witchcraft**

*See also* Amulets; Charms; Demonology; Evil eye; Magic; Medicine men; Occult sciences; Superstition

*Refer from* Ethics; Freedom of the will; Philosophy; Psychology; Volition (s)

*Refer from* Administrators and executors; Bequests (s); Genealogy; Inheritance; Law; Legacies; Probate law and practice; Property

*Refer from* Bagpipes; Bands (music); Brass instruments (s); Flute; Musical instruments

*Refer from* Farm motors; Irrigation; Machinery; Motors

*Refer from* Advertising; Business; Decoration and ornament; Shop window decoration (s); Show windows (s); Windows

*Refer from* Floriculture; Flowers; Gardening; House plants (s); Windows; Winter gardening (s)

*Refer from* Architecture; Building; Glass

*Refer from* Currents (s); Gales (s); Meteorology; Storms; Trade winds (s); Weather; Wind (s)

*Refer from* Castles — England; Palaces

*Refer from* Grape; Liquors; Vine (s)

*Refer from* Birds; Flight; Insects; Zoology

*Refer from* Seasons

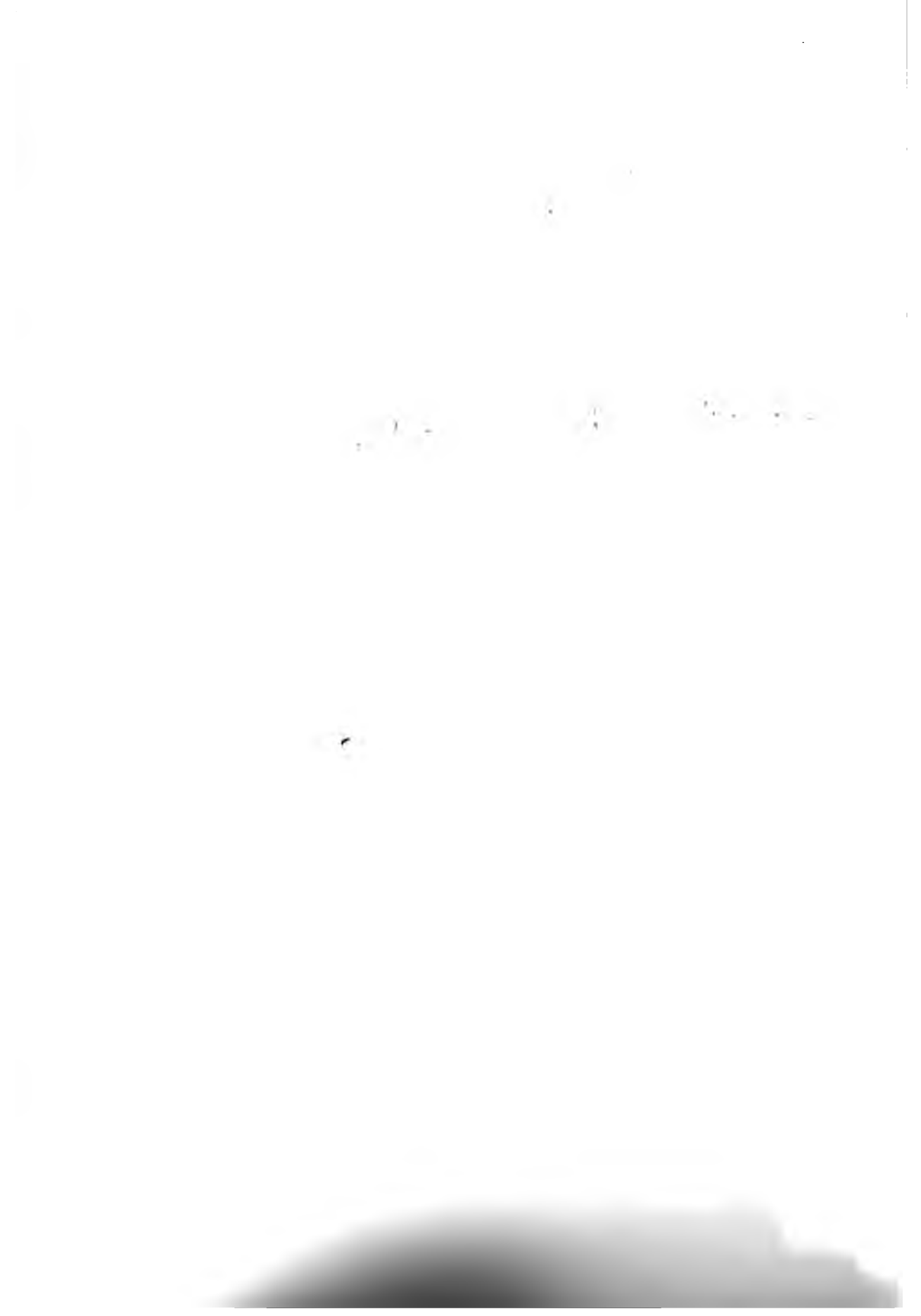
*Refer from* Health resorts; Resorts (s); Winter

*Refer from* Coasting; Curling; Hockey; Ice boats; Ice sports (s); Skating; Skees and skee-running; Sports; Tobogganing; Winter

*Refer from* Cables; Metals; Rope

*Refer from* Coherers; Collisions at sea; Communication; Electric engineering; Electric waves; Electricity; Marconigrams (s); Radiotelegraphy (s); Signals; Space telegraphy (s); Telegraph; Telegraph, Wireless (s)

*Refer from* Black art (s); Charms; Church history; Conjuring; Delusions (s); Demonology; Evil eye; Exorcism (s); Folklore; Magic; Necromancy (s); Occult sciences; Persecution; Sorcery (s); Spirits (s); Superstition



**Witnesses**

*See also* Evidence; Expert evidence; Perjury

*Refer from* Cross-examination (s); Evidence; Examination of witnesses (s); Law; Perjury; Trials

**Wives**

*See also* Domestic relations; Family; Husbands; Marriage; Mothers; Widows; Women

*Refer from* Domestic relations; Family; Husband and wife (s); Husbands; Marriage; Widows; Wife (s); Women

Wolf *see* Wolves

**Wolves**

*See also* Carnivora

*Refer from* Carnivora; Fur-bearing animals; Wolf (s)

Woman *see* Women

**Woman suffrage**

*See also* Women — Law; Women — Social condition

*Refer from* Rights of women (s); Suffrage; Suffragettes (s); Women; Women — Law; Women — Political status (s); Women — Rights of women (s); Women — Social condition

**Women**

*See also* Amazons; Beauty, Personal; Chastity; Children; Costume; Deaconesses; Education of women; Etiquet; Family; Fancy work; Girls; Harem; Home; Home economics; Love; Marriage; Matriarchy; Mothers; Needlework; Nuns; Nurses and nursing; Prostitution; Queens and empresses; Sex; Singers; Sisterhoods; Spinsters; Widows; Wives; Woman suffrage; Women as artists; Women as authors; Women as lawyers; Women as physicians; Women in literature and art; Women's clubs; Working women's clubs; Young women

*Refer from* Anthropology; Ethics; Family; Females (s); Girls; Home; Ladies (s); Man; Marriage; Mothers; Sociology; Wives; Woman (s); Young women

**—Biography**

*Refer from* Biography

**—Clubs, *see* Women's clubs****—Crime**

*Refer from* Crime and criminals

*See also* Infanticide; Prostitution

**—Diseases**

*Refer from* Gynecology (s); Medicine — Practice; Women — Hygiene

*See also* Hysteria; Medicine — Practice; Obstetrics; Women — Hygiene

**—Education, *see* Education of women****—Employment [the economic question]**

*See also* Factory system; Home labor; Sweating system; Women — Occupations

*Refer from* Factory laws; Factory system; Hours of labor; Labor and laboring classes; Sweating system; Women — Labor question (s); Women — Law; Women — Occupations; Working girls (s); Working women (s)

**—History****—Hygiene**

*Refer from* Hygiene; Women — Diseases

*See also* Hygiene, and references under that subject; Women — Diseases

**—Labor question, *see* Women — Employment****—Law**

*Refer from* Law; Rights of women (s); Woman suffrage; Women — Rights of women (s); Women — Social condition

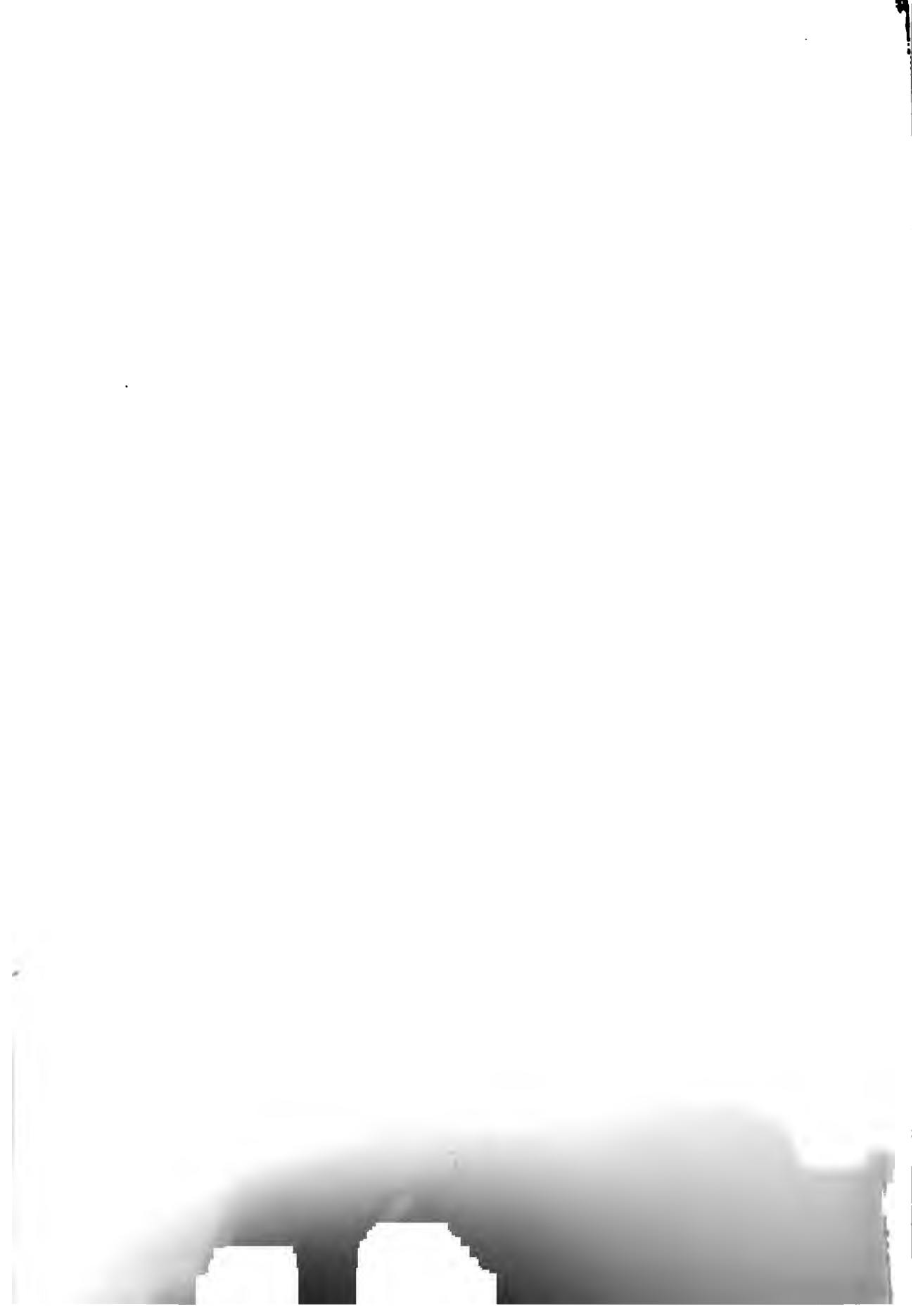
*See also* Divorce; Marriage; Salic law; Woman suffrage; Women — Employment; Women — Social condition

**—Occupations**

*Refer from* Occupations; Profession, Choice of; Professions; Women — Employment

*See also* Women — Employment; Women as artists; Women as authors; Women as lawyers; Women as physicians; *also* names of occupations, e.g. Dress-making

**—Political status, *see* Woman suffrage****—Rights of women, *see* Woman suffrage; Women — Law; Women — Social condition**



**Women — Continued**

**— Social condition**

*See also* Woman suffrage; Women — Law

**Women as artists**

**Women as authors**

**Women as lawyers**

**Women as physicians**

**Women in literature and art** [Enter here works containing delineations or representations of women in art and literature]

For the work of women as artists and as authors, *see* Women as artists, Women as authors

**Women in the U. S.** [Biography of American women should not be entered here, but under U. S. — Biography, and Women — Biography]

*See also* National characteristics, American; U. S. — Social life and customs

**Women's clubs**

*See also* Girls' clubs; Mothers' clubs; Study clubs; Working women's clubs

Wonders of the world *see* Seven wonders of the world

**Wood**

*See also* Bark; Botany, Structural; Forests and forestry; Lumber and lumbering; Poles; Timber; Trees; *also* headings beginning Wood

— Distillation, *see* Wood distillation

— Fossil, *see* Trees, Fossil

— **Preservation**

*See also* Dry rot

Wood burning *see* Pyrography

**Wood carving**

*See also* Arts and crafts; Carving (art industries); Decoration and ornament; Furniture; Woodwork

**Wood distillation**

**Wood engraving**

*See also* Block books

**Wood finishing**

*See also* Graining; Lacquer; Painting, Mechanical; Stains and staining; Varnish and varnishing

**Wood pulp**

*See also* Cellulose; Paper

Woodcuts *see* Wood engraving

Woods *see* Forests and forestry; Wood

**Woodwork**

*See also* Bamboo; Cabinet work; Carpentry; Graining; Manual training; Pyrography; Stains and staining; Turning; Veneers and veneering; Wood carving; Wood finishing; Woodworking machinery

*Refer from* Emancipation (s); Rights of women (s); Woman suffrage; Women — Law; Women — Rights of women (s)

*Refer from* Artists; Women; Women — Occupations; Women in literature and art

*Refer from* Authors; Women; Women — Occupations; Women in literature and art

*Refer from* Lawyers; Women; Women — Occupations

*Refer from* Physicians and surgeons; Women; Women — Occupations

*Refer from* Art; Literature; Women

*Refer from* National characteristics, American; U. S. — Social life and customs

*Refer from* Clubs; Women; Women — Clubs (s)

*Refer from* Bark; Building materials; Forest products; Forests and forestry; Fuel; Timber; Woods (s)

*Refer from* Dry rot; Kyanizing (s); Poles; Preservation of wood (s); Railroads — Ties; Timber — Preservation (s)

*Refer from* Arts and crafts; Bas-relief; Carpentry; Carving (art industries); Decoration and ornament; Fret cutting (s); Furniture; Manual training; Woodwork

*Refer from* Chemistry, Technical; Distillation; Wood — Distillation (s)

*Refer from* Block books; Engraving; Woodcuts (s); Xylography (s)

*Refer from* Graining; House decoration; Painting, Mechanical; Stains and staining; Varnish and varnishing; Woodwork

*Refer from* Cellulose; Forest products; Paper; Pulp wood (s); Pulpwood (s)

*Refer from* Architecture; Carpentry; House decoration; Industrial arts; Manual training; Slodj (s); Sloyd (s); Turning; Wood carving



**Woodworking machinery**

*See also* Lathes; Planing machines; Saws

**Wool**

*See also* Dyes and dyeing; Khaki; Sheep; Textile industry and fabrics; Woolen manufacture; Worsted; Yarn

**Woolen manufacture**

*See also* Textile factories; Textile industry and fabrics; Wool

Woolen mills *see* Textile factories; Woolen manufacture

**Words**

*See also* Definition; Etymology; Grammar; Language; Names; Pronunciation; Rhetoric; Spelling; Synonyms and antonyms; *also* names of languages

**Work**

*See also* Labor and laboring classes; Overwork

**Workhouses**

*See also* Prisons

Workhouses (charities) *see* Almshouses

Working classes *see* Labor and laboring classes

Working day *see* Hours of labor

Working girls *see* Girls; Women — Employment

Working girls' clubs *see* Working women's clubs

Working women *see* Women — Employment

**Working women's clubs**

Workingmen's associations *see* Guilds; Labor unions; Workingmen's clubs

**Workingmen's clubs**

Workingmen's dwellings *see* Housing problem

Workingmen's gardens *see* Vacant lot cultivation

Workingmen's insurance *see* Insurance, Accident; Insurance, Industrial; Insurance, State and compulsory

Workmen's compensation *see* Employers' liability; Wages

Works management *see* Factory management; Machine shop management; Scientific management

Workshop receipts *see* Receipts

World *see* Earth; Universe

World politics *see* International relations

Worlds, Plurality of, *see* Plurality of worlds

World's fairs *see* Exhibitions

**Worms**

*See also* Earthworms; Invertebrates; Parasites

**Worry**

*See also* Fear

**Worship**

*See also* Ancestor worship; Animal worship; Church attendance; Church music; Church services; Devil worship; Devotional

*Refer from* Carpentry; Lathes; Lumber and lumbering; Machinery; Planing machines; Saws; Woodwork

*Refer from* Animal products; Fibers; Sheep; Textile industry and fabrics; Woolen manufacture; Worsted; Yarn

*Refer from* Textile industry and fabrics; Wool; Woolen mills (s)

*Refer from* Etymology; Language; Names

*Refer from* Conduct of life; Hygiene; Labor and laboring classes

*Refer from* Crime and criminals; Prisons; Punishment

*Refer from* Clubs; Women; Women's clubs; Working girls' clubs (s)

*Refer from* Clubs; Labor and laboring classes; Workingmen's associations (s)

*Refer from* Helminthology (z); Invertebrates

*Refer from* Anxiety (s); Conduct of life; Fear; Mental hygiene; Mind and body; Nervous system — Diseases; Psychology

*Refer from* Church polity; Church services; Devotion (s); Devotional exercises; Idolatry; Liturgies; Prayer; Religion; Religions; Re-



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- exercises; Elements, Worship of; Family worship; Fetishism; Fire worship; Hymns; Idolatry; Incense; Litanies; Liturgies; Nature worship; Prayer; Prayers; Responsive worship; Rites and ceremonies; Ritualism; Sacraments; Sacrifice; Serpent worship; Sun worship; Totems and totemism; Tree worship
- Worsted**  
*See also* Textile industry and fabrics; Wool; Yarn
- Wounds**  
*See also* Hemorrhage; Surgery
- Wrecking**  
*See also* Salvage
- Wrecks** *see* Shipwrecks
- Wrestling**  
*See also* Jiu-jitsu
- Writers** *see* Authors
- Writing**  
*See also* Abbreviations; Alphabet; Authorship; Autographs; Books; Capitalization; Ciphers; Cuneiform writing; Forgery; Graphology; Hieroglyphics; Ink; Inscriptions; Letter writing; Lettering; Manuscripts; Paleography; Paper; Penmanship; Pens; Picture writing; Punctuation; Rhetoric; Shorthand; Typewriting
- Writing for the press *see* Authorship; Journalism
- Wrongs** *see* Torts
- Wrought iron**  
*See also* Ironwork
- Wrought iron work *see* Ironwork
- Wyoming massacre, 1778**
- X ray photography** *see* Radiography
- X rays**  
*See also* Cathode rays; Electric discharges through gases; Ions; N rays; Radiography; Radiotherapy
- Xylography** *see* Block books; Wood engraving
- Yachting** *see* Yachts and yachting
- Yachts and yachting**  
*See also* America's cup; Aquatic sports; Boats and boating; Land yachts; Navigation; Sailing
- Yarn**  
*See also* Cotton; Flax; Hemp; Silk; Spinning; Textile industry and fabrics; Wool; Worsted
- Yawning**
- Year**  
*See also* Calendar; Chronology; Months; Seasons
- Year-books *see* Yearbooks
- Yearbooks**  
*See also* Almanacs; Annuals; Calendars
- Yeast**  
*See also* Fermentation
- ligious services (s); Rites and ceremonies; Ritualism; Theology
- Refer from* Textile industry and fabrics; Wool; Yarn
- Refer from* Accidents; Injuries (s); Surgery; Surgery, Military; Surgery, Naval
- Refer from* Salvage; Shipwrecks
- Refer from* Athletics; Jiu-jitsu; Sports
- Refer from* Alphabet; Books; Chirography (s); Ciphers; Graphology; Handwriting (s); Inscriptions; Language; Manuscripts; Paleography; Penmanship; Shorthand
- Refer from* Iron; Ironwork
- Refer from* Massacres; Pennsylvania — History; U. S. — History — Revolution — Campaigns and battles
- Refer from* Cathode rays; Diagnosis; Dislocations; Electric discharges through gases; Electricity; Fractures; Induction coils; Light; Radiation; Radioactivity; Radiography; Radiotherapy; Roentgen rays (s); Therapeutics
- Refer from* America's cup; Aquatic sports; Boat building (s); Boats and boating; Cup races (s); Navigation; Racing (s); Regattas (s); Sailing; Shipbuilding; Ships; Sports; Steam yachts (s); Steamboats; Yachting (s)
- Refer from* Spinning; Textile industry and fabrics; Wool; Worsted
- Refer from* Breathing; Physiology
- Refer from* Calendar; Chronology; Months
- Refer from* Almanacs; Annuals; Calendars; Registers; Statistics; Year-books (s)
- Refer from* Cookery; Fermentation



**Yellow fever**

*See also* Mosquitoes

Yellow journalism *see* Journalism; Newspapers

Yellow peril *see* Eastern question (Far East);

Race problems; Yellow races

**Yellow races**

*See also* Color of man; Mongols; Ethnology — China; Ethnology — Japan

**Yells**

*See also* Battle cries

**Yiddish language****Yiddish literature****Yoga**

*See also* Hinduism; Philosophy, Hindu; Theosophy; Vedanta

**Young men**

*See also* Boys; Conduct of life; Gentlemen; Men; Self-culture; Success; Youth  
Young people *see* Boys; Children; Girls; Young men; Young women; Youth

**Young women**

*See also* Conduct of life; Girls; Self-culture; Women; Youth

**Youth**

*See also* Boys; Children; Girls; Puberty; Young men; Young women

Zend-Avesta *see* Avesta

**Zinc**

*See also* Brass; Galvanizing; Metals

**Zincography**

*See also* Etching

**Zionism**

*See also* Jews

Zoar community *see* Separatist society of Zoar

Zoarites *see* Separatist society of Zoar

**Zodiac**

*See also* Astrology; Astronomy

**Zodiacal light**

*See also* Auroras

Zoogeography *see* Geographical distribution of animals and plants

**Zoological gardens**

*See also* Menageries

Zoological mythology *see* Animal lore; Animals, Mythical

Zoological nomenclature *see* Zoology — Nomenclature

**Zoologists**

*See also* Entomologists; Naturalists; Ornithologists

*Refer from* Contagion and contagious diseases; Epidemics; Fever; Insects as carriers of contagion; Medicine — Practice; Mosquitoes; Tropics — Diseases and hygiene

*Refer from* Ethnology; Ethnology — Asia; Ethnology — China; Ethnology — Japan; Race problems; Yellow peril (s)

*Refer from* College yells (s); Cries (s)

*Refer from* German Hebrew (s); Hebrew language; Jewish language (s); Jews — Language (s); Judaeo-German (s); Judeo-German (s)

*Refer from* Hebrew literature; Jewish literature; Jews — Literature (s)

*Refer from* Hinduism; Philosophy, Hindu; Theosophy; Vedanta

*Refer from* Boys; Conduct of life; Men; Young people (s); Youth

*Refer from* Conduct of life; Girls; Women; Young people (s); Youth

*Refer from* Adolescence (s); Age; Boys; Child study; Children; Conduct of life; Girls; Puberty; Young men; Young women; Young people (s)

*Refer from* Metals; Mines and mineral resources; Sheet-metal work

*Refer from* Etching; Lithography; Lithozincography (s); Printing

*Refer from* Jews; Jews — Political and social conditions

*Refer from* Astronomy; Stars

*Refer from* Astronomy; Light

*Refer from* Animals; Animals in captivity (s); Menageries; Parks; Zoology

*Refer from* Naturalists; Scientists; Zoology



**Zoology** [for systematic works and those dealing with zoology as a science]

*See also* Anatomy, Comparative; Animalcules; Animals; Aquariums; Biology; Birds; Cave fauna; Cells; Color of animals; Domestic animals; Domestication; Ecology; Electrophysiology; Embryology; Evolution; Fish; Fresh-water fauna; Fur-bearing animals; Game; Geographical distribution of animals and plants; Heredity; Horns; Insects; Instinct; Invertebrates; Mammals; Man; Marine zoology; Menageries; Mendel's law; Microscope and microscopy; Monsters; Natural history; Nature study; Nests; Paleontology; Parasites; Phosphorescence; Physiology, Comparative; Psychology, Comparative; Quadrupeds; Reproduction; Species; Taxidermy; Variation (biology); Vertebrates; Wings; Zoological gardens; Zoologists; *also* headings beginning Animal, and names of animals and of classes, orders and families of animals

—**Economic**

*See also* Animal products; Birds, Useful and injurious; Domestic animals; Fur-bearing animals; Insects, Injurious and beneficial

—**Nomenclature**

—**U. S.**

*See also* Birds — U. S.; Fish — U. S.; Insects — U. S.; Mollusks — U. S.; Reptiles — U. S.

Zootomy *see* Anatomy, Comparative

**Zoroastrianism**

*See also* Avesta; Dualism; Fire worship; Parsees

Zymotic diseases *see* Contagion and contagious diseases

*Refer from* Anatomy, Comparative; Animal kingdom (s); Animals; Beasts (s); Biology; Brutes (s); Domestic animals; Fauna (s); Invertebrates; Mammals; Natural history; Nature; Nature study; Quadrupeds; Science; Vertebrates; Wild animals (s)

*Refer from* Animals, Useful and harmful (s); Economic zoology (s)

*Refer from* Names; Nomenclature (s); Terminology (s); Zoological nomenclature (s)

*Refer from* Natural history — U. S.; U. S. — Fauna (s); U. S. — Zoology (s)

*Refer from* Avesta; Dualism; Fire worship; Parsees; Religions















